

### Anti-TBR2 / Eomes antibody [EPR19012] ab183991

**重组** RabMAb

★★★★★ **8 Abreviews** **43 References** **7 图像**

#### 概述

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产品名称  | Anti-TBR2 / Eomes抗体[EPR19012]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 描述    | 兔单克隆抗体[EPR19012] to TBR2 / Eomes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 宿主    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 经测试应用 | 适用于: ICC/IF, IHC-Fr, IHC-P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 种属反应性 | 与反应: Mouse<br>不与反应: Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 免疫原   | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 阳性对照  | IHC-P: Mouse hippocampus and E14 cortex tissues; IHC-Fr: Mouse E14.5 cortex and hippocampus tissues; ICC/IF: Mouse primary neuron cells.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 常规说明  | This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> .<br>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a> . |

#### 性能

|      |                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------|
| 形式   | Liquid                                                                                                                            |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA                                     |
| 纯度   | Protein A purified                                                                                                                |
| 克隆   | 单克隆                                                                                                                               |
| 克隆编号 | EPR19012                                                                                                                          |

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab183991于以下的经测试应用

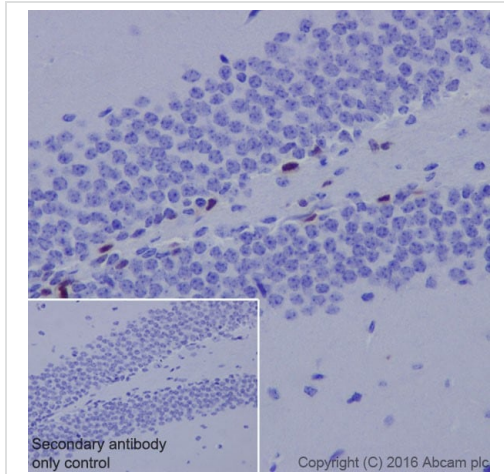
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用     | Ab评论      | 说明                                                                                                                         |
|--------|-----------|----------------------------------------------------------------------------------------------------------------------------|
| ICC/IF |           | 1/200.                                                                                                                     |
| IHC-Fr | ★★★★★ (4) | 1/1000.<br>Antigen retrieval: Heated citrate solution (10mM citrate PH 6.0 + 0.05% Tween-20).                              |
| IHC-P  | ★★★★★ (1) | 1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |

靶标

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 功能    | Functions as a transcriptional activator playing a crucial role during development. Functions in trophoblast differentiation and later in gastrulation, regulating both mesoderm delamination and endoderm specification. Plays a role in brain development being required for the specification and the proliferation of the intermediate progenitor cells and their progeny in the cerebral cortex. Also involved in the differentiation of CD8+ T-cells during immune response regulating the expression of lytic effector genes. |
| 组织特异性 | Expressed in CD8+ T-cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 疾病相关  | Note=A translocation t(3;10)(p24;q23) located 215 kb 3' to the EOMES gene but leading to loss of its expression was identified in a large consanguineous family. Homozygous silencing produces microcephaly associated with corpus callosum agenesis, bilateral polymicrogyria, ventricular dilatation and a small cerebellum.                                                                                                                                                                                                       |
| 序列相似性 | Contains 1 T-box DNA-binding domain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 发展阶段  | Detected at 7 weeks of development in the forebrain floorplate of the CNS. Expressed within the mantle layer and migrating neuroblasts of the telencephalon at 12.5 weeks of development.                                                                                                                                                                                                                                                                                                                                            |
| 细胞定位  | Nucleus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TBR2 / Eomes antibody [EPR19012] (ab183991)

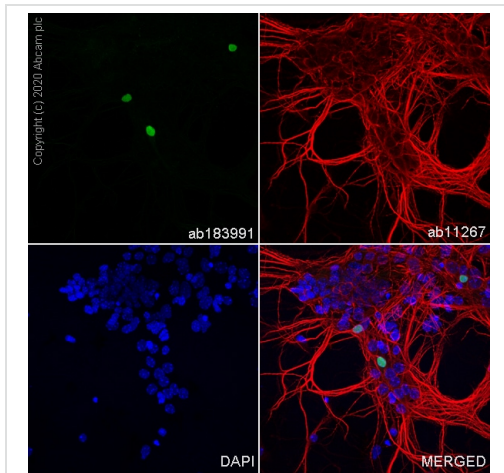
Immunohistochemical analysis of paraffin-embedded mouse hippocampus tissue labeling TBR2 / Eomes with ab183991 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Nucleus staining on intermediate neuronal progenitors of mouse hippocampus is observed [PMID: 22553033].

Counter stained with Hematoxylin.

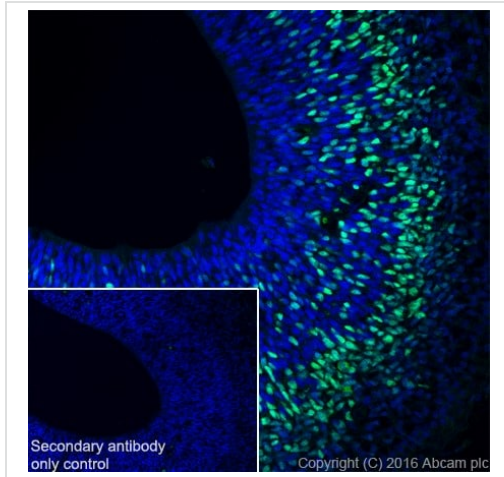
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-TBR2 / Eomes antibody [EPR19012] (ab183991)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized mouse primary neuron cells labelling TBR2 / Eomes with ab183991 at 1/500 dilution, followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (2 µg/mL) (Green). Confocal image showing nuclear staining in mouse primary neuron cell. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection. [ab11267](#) Anti-MAP2 mouse monoclonal antibody was used to counterstain tubulin at 1/500 dilution (4 µg/mL) followed by [ab150120](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) at 1/1000 dilution (2 µg/mL) (Red). The nuclear counterstain was DAPI (Blue).



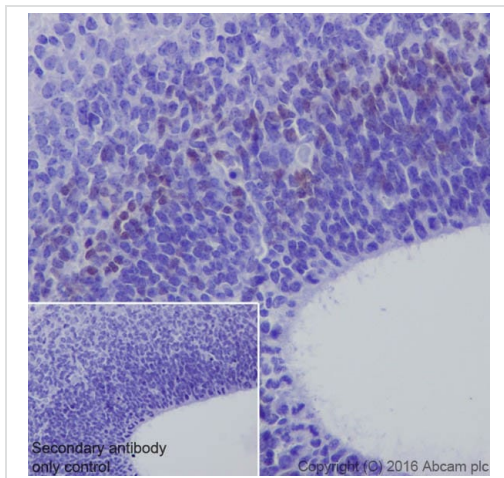
Immunohistochemistry (Frozen sections) - Anti-TBR2 / Eomes antibody [EPR19012] (ab183991)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse E14.5 cortex tissue labeling TBR2 / Eomes with ab183991 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green).

Specific staining on E14.5 mouse cortex is observed.

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab150077](#) at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TBR2 / Eomes antibody [EPR19012] (ab183991)

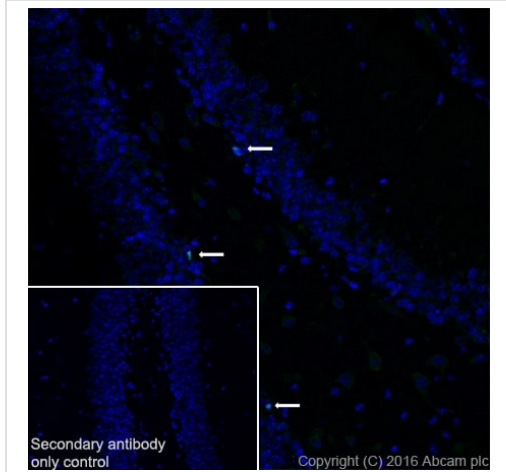
Immunohistochemical analysis of paraffin-embedded mouse E14 cortex tissue labeling TBR2 / Eomes with ab183991 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Nucleus staining on the cortex of mouse E14 is observed [PMID: 22553033].

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab97051](#) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



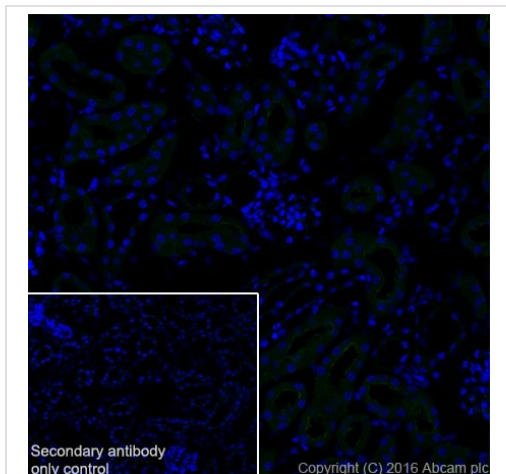
Immunohistochemistry (Frozen sections) - Anti-TBR2 / Eomes antibody [EPR19012] (ab183991)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse hippocampus tissue labeling TBR2 / Eomes with ab183991 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green).

Specific staining on adult mouse hippocampus is observed.

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab150077](#) at 1/1000 dilution.



Immunohistochemistry (Frozen sections) - Anti-TBR2 / Eomes antibody [EPR19012] (ab183991)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen adult mouse kidney tissue labeling TBR2 / Eomes with ab183991 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green).

Negative control tissue; very weak staining is due to autofluorescence of the kidney section.

The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is [ab150077](#) at 1/1000 dilution.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-TBR2 / Eomes antibody [EPR19012]  
(ab183991)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors