

### Anti-TYRO3 antibody [EPR4308] ab109231

**重组** RabMAb

**11 References** [8 图像](#)

#### 概述

产品名称	Anti-TYRO3抗体[EPR4308]
描述	兔单克隆抗体[EPR4308] to TYRO3
宿主	Rabbit
特异性	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
经测试应用	<b>适用于:</b> WB, IP, IHC-P <b>不适用于:</b> Flow Cyt
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Fetal brain, fetal hippocampus, MCF7, Rat hippocampus, Rat brain, Human fetal brain, and Mouse hippocampus lysates IP: SH-SY5Y whole cell lysate IHC-P: Human brain tissue, Human colon carcinoma and Human ovarian carcinoma
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 0.05% BSA, 40% Glycerol</p>

纯度	Protein A purified
克隆	单克隆
克隆编号	EPR4308
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab109231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。

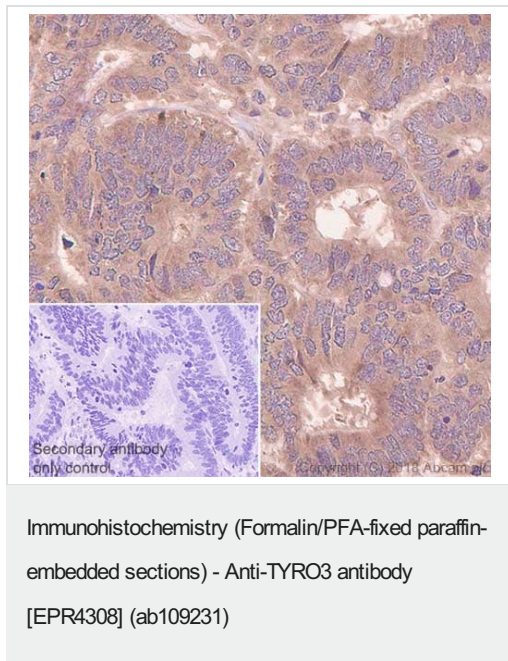
应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 97 kDa.
IP		1/200. <b>For unpurified use at 1/10 - 1/100.</b>
IHC-P		<p>1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.</p> <p><b>For unpurified use at 1/100 - 1/250.</b></p> <p>Heat up to 98 °C, below boiling, and then let cool for 10-20 minutes.</p> <p>The mouse and rat recommendation is based on the WB results.</p>

**应用说明** Is unsuitable for Flow Cyt.

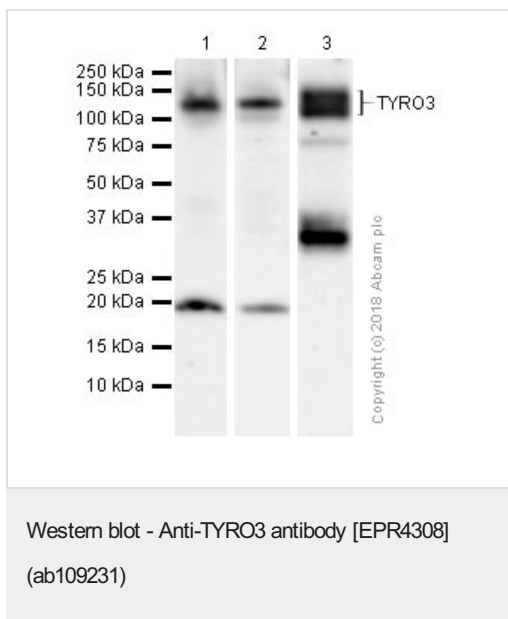
## 靶标

<b>功能</b>	May be involved in cell adhesion processes, particularly in the central nervous system. In case of filovirus infection, seems to function as a cell entry factor.
<b>组织特异性</b>	Abundant in the brain and lower levels in other tissues.
<b>序列相似性</b>	Belongs to the protein kinase superfamily. Tyr protein kinase family. AXL/UFO subfamily. Contains 2 fibronectin type-III domains. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.
<b>细胞定位</b>	Cell membrane.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon carcinoma tissue sections labeling TYRO3 with purified ab109231 at 1:500 dilution (7.44 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



**All lanes :** Anti-TYRO3 antibody [EPR4308] (ab109231) at 1/1000 dilution (Purified)

**Lane 1 :** Rat hippocampus lysates at 20 µg

**Lane 2 :** Rat brain lysates at 20 µg

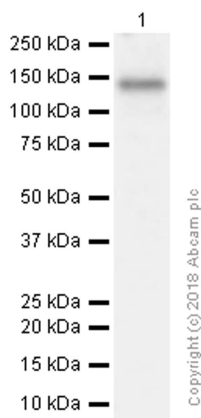
**Lane 3 :** Human fetal brain lysates at 15 µg

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 97 kDa

**Observed band size:** 120 kDa



Western blot - Anti-TYRO3 antibody [EPR4308]  
(ab109231)

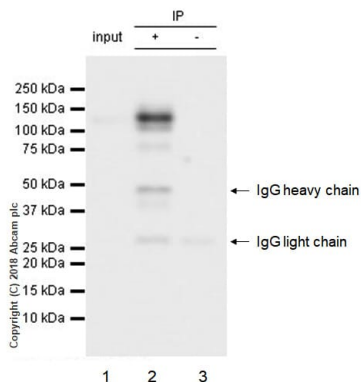
Anti-TYRO3 antibody [EPR4308] (ab109231) at 1/1000 dilution  
(Purified) + Mouse hippocampus lysates at 15 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 97 kDa

**Observed band size:** 120 kDa



Immunoprecipitation - Anti-TYRO3 antibody  
[EPR4308] (ab109231)

ab109231 (purified) at 1:200 dilution (2µg) immunoprecipitating  
TYRO3 in SH-SY5Y whole cell lysate.

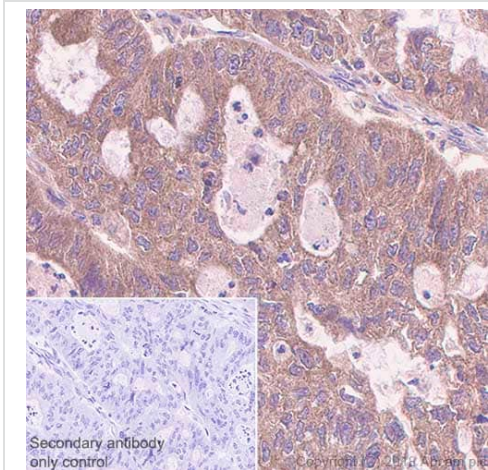
Lane 1 (input): SH-SY5Y (Human neuroblastoma epithelial cell)  
whole cell lysate 10µg

Lane 2 (+): ab109231 & SH-SY5Y whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of  
ab109231 in SH-SY5Y whole cell lysate

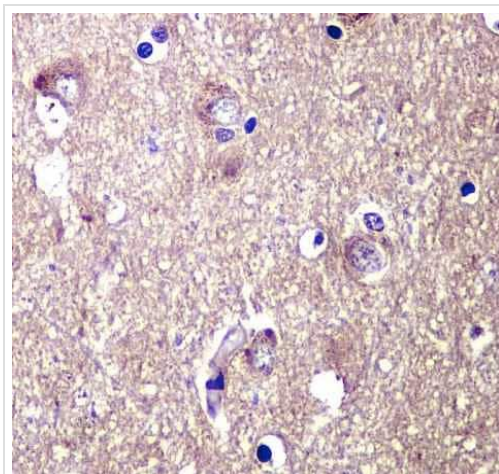
For western blotting, VeriBlot for IP Detection Reagent (HRP)  
([ab131366](#)) was used for detection at 1:2000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TYRO3 antibody  
[EPR4308] (ab109231)

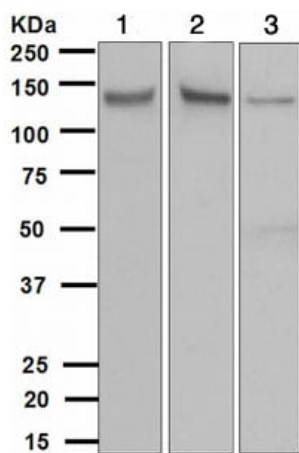
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human ovarian carcinoma tissue sections labeling TYRO3 with purified ab109231 at 1:500 dilution (7.44 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TYRO3 antibody  
[EPR4308] (ab109231)

Immunohistochemical analysis of TYRO3 in paraffin embedded Human brain tissue, using ab109231 at a 1/100 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Western blot - Anti-TYRO3 antibody [EPR4308] (ab109231)

**All lanes :** Anti-TYRO3 antibody [EPR4308] (ab109231) at 1/1000 dilution

**Lane 1 :** fetal brain lysates

**Lane 2 :** fetal hippocampus lysates

**Lane 3 :** MCF7 cell lysates

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 97 kDa

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-TYRO3 antibody [EPR4308] (ab109231)

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