


Anti-SOX1 antibody [EPR23041-60] ab242125

重组 RabMAb

8 图像

概述

产品名称	Anti-SOX1抗体[EPR23041-60]
描述	兔单克隆抗体[EPR23041-60] to SOX1
宿主	Rabbit
经测试应用	适用于: IHC-P, IHC-Fr 不适用于: IP or WB
种属反应性	与反应: Mouse, Rat 预测可用于: Hamster 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	IHC-P: Mouse cerebellum and hippocampus tissue; rat cerebellum tissue. IHC-Fr: Mouse and rat cerebellum tissue.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号EPR23041-60

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab242125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
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IHC-Fr		1/100. Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

应用说明

Is unsuitable for IP or WB.

靶标

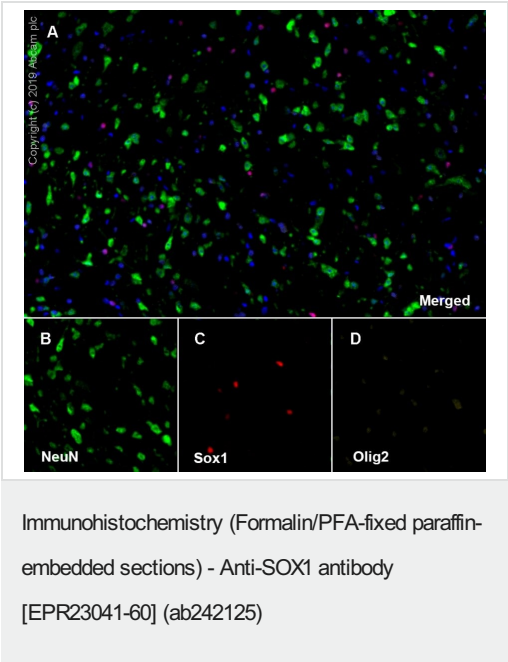
功能Transcriptional activator.

组织特异性Mainly expressed in the developing central nervous system.

序列相似性Contains 1 HMG box DNA-binding domain.

细胞定位Nucleus.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse cerebrum tissue labelling NeuN with [ab177487](#) at 1/100 dilution (B), SOX1 with ab242125 at 1/100 dilution (C) and Olig2 with [ab109186](#) at 1/100 dilution (D). Anti-Rabbit and Mouse Polymer HRP was used as a secondary antibody, and DAPI was used for a nuclear counter stain. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20mins. Heat mediated antigen retrieval (Leica ER2, PH9.0, 20 minutes) was used in between rounds of tyramide signal amplification to remove the antibodies from the previous round, to avoid any cross-reactivity.

Panel A: merged staining of anti- NeuN (green, Opal™520), anti-SOX1 (red, Opal™570) and anti- Olig2 (yellow, Opal™690).

Panel B: anti-NeuN stands for neurons.

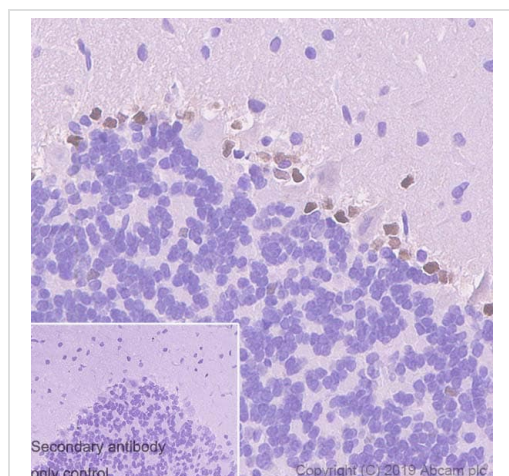
Panel C: anti-SOX1 stained on neural progenitors.

Panel D: anti-Olig2 stained on oligodendrocyte.

The section was incubated in three rounds of staining: in the order of

ab177487, ab242125 and **ab109186** for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

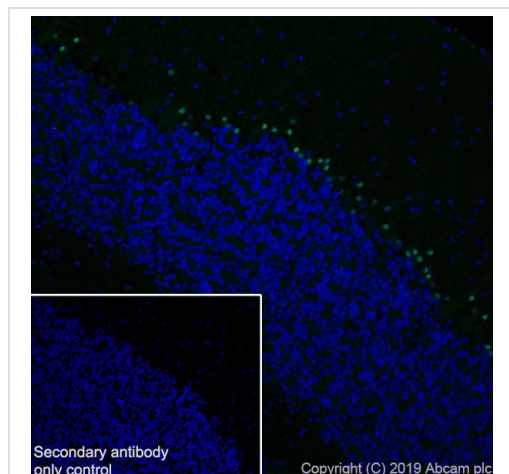


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX1 antibody [EPR23041-60] (ab242125)

Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue labeling SOX1 with ab242125 at 1/2000 dilution (0.293 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Nuclear staining on neural progenitor cells in rat cerebellum is observed. The section was incubated with ab242125 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

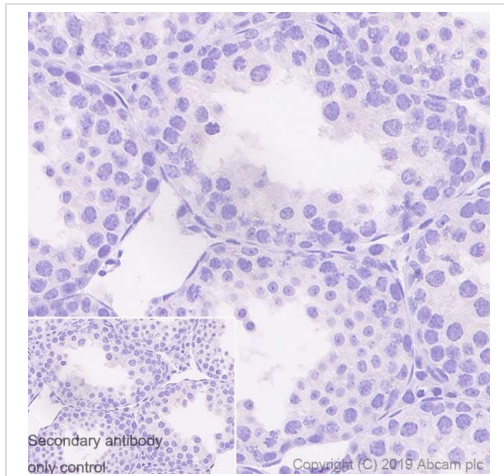


Immunohistochemistry (Frozen sections) - Anti-SOX1 antibody [EPR23041-60] (ab242125)

Immunohistochemical analysis of frozen section of 4% PFA-fixed, 0.2% Triton X-100 permeabilized rat cerebellum tissue labeling SOX1 with ab242125 at 1/100 followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution (Green). Nuclear staining on rat cerebellum (PMID: 24676388) is observed. The nuclear counterstain is DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX1 antibody [EPR23041-60] (ab242125)

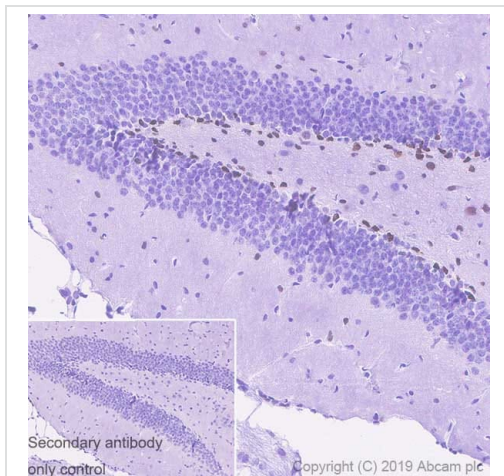
Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling SOX1 with ab242125 at 1/2000 dilution (0.293 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Negative control: No staining on the mouse testis.

The section was incubated with ab242125 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

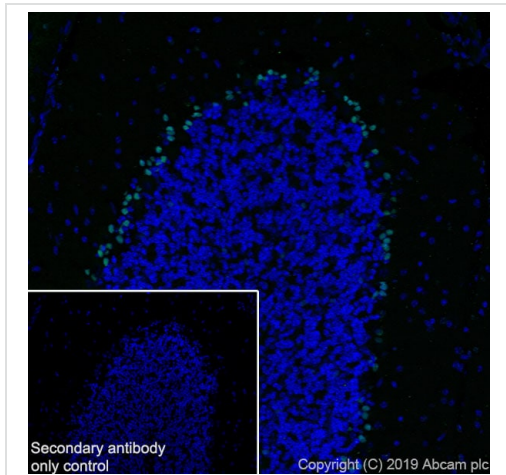


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX1 antibody [EPR23041-60] (ab242125)

Immunohistochemical analysis of paraffin-embedded mouse hippocampus tissue labeling SOX1 with ab242125 at 1/2000 dilution (0.293 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Nuclear staining on neural progenitor cells in mouse hippocampus is observed (PMID: 22992951). The section was incubated with ab242125 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

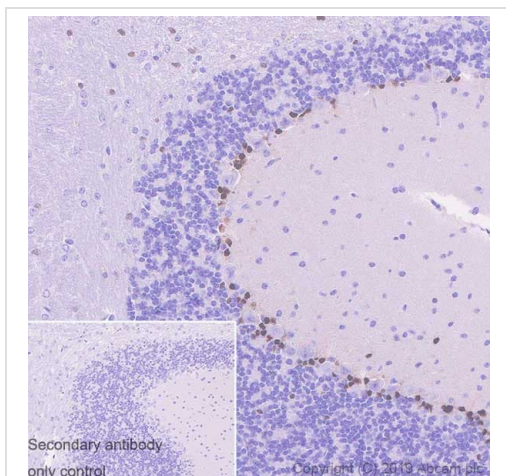


Immunohistochemistry (Frozen sections) - Anti-SOX1 antibody [EPR23041-60] (ab242125)

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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX1 antibody [EPR23041-60] (ab242125)

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue labeling SOX1 with ab242125 at 1/2000 dilution (0.293 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Nuclear staining on neural progenitor cells in mouse cerebellum is observed (PMID: 24676388). The section was incubated with ab242125 for 15 mins at room temperature. The immunostaining staining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

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-SOX1 antibody [EPR23041-60] (ab242125)

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