

Mature Oligodendrocyte Marker (Olig2, MBP, MOG, SOX10) Antibody Sampler Panel - Human, Mouse ab254026

重组

★★★★★ [1 Abreviews](#) [1 References](#) [11 图像](#)

概述

产品名称

Mature Oligodendrocyte Marker (Olig2, MBP, MOG, SOX10)抗体Sampler组合-人,小鼠

种属反应性

与反应: Mouse, Human

产品概述

Mature Oligodendrocyte Marker (Olig2, MBP, MOG, SOX10) Antibody Sampler Panel - Human, Mouse ab254026 contains multiple trial-sized versions of anti-human and mouse antibody clones against Olig2, MBP, MOG, SOX10, specifically selected for high performance in various applications. This panel contains 5 recombinant rabbit monoclonal antibodies against Olig2, MBP, MOG, SOX10. They are provided as a sampler panel to allow you to easily evaluate each in your required applications.

For guidelines on how to use each antibody within the panel, please consult the individual datasheet for each antibody.

Panel contains:

- Rabbit monoclonal [EPR2673] to Olig2 (20 µL) [ab109186](#)
- Rabbit monoclonal [EPR21188] to Myelin Basic Protein (20 µL) [ab218011](#)
- Rabbit monoclonal [EP4281] to Myelin oligodendrocyte glycoprotein (20 µL) [ab109746](#)
- Rabbit monoclonal [EPR4007] to SOX10 (20 µL) [ab155279](#)
- Rabbit monoclonal [SP267] to SOX10 (20 µL) [ab227680](#)

说明

Explore our range of antibody sample panels designed to provide you with a variety of trial-size antibodies in a convenient and cost-effective format.

Carrier-free formulations of our recombinant antibodies are available and ready to use for multiplex IHC analysis including Imaging Mass Cytometry™. Please refer to the 'Associated products' section below.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit

monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

性能

存放说明

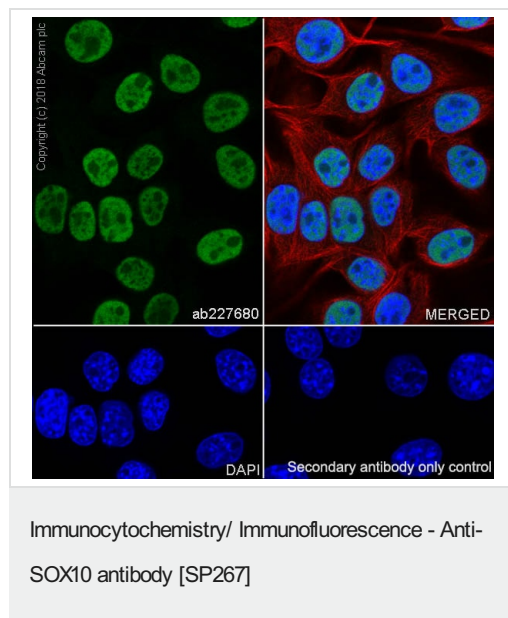
Store at -20°C. Please refer to protocols.

组件	1 kit
ab218011 - Anti-Myelin Basic Protein antibody [EPR21188]	2 x 10µl
ab109746 - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281]	2 x 10µl
ab109186 - Anti-Olig2 antibody [EPR2673]	2 x 10µl
ab155279 - Anti-SOX10 antibody [EPR4007]	2 x 10µl
ab227680 - Anti-SOX10 antibody [SP267]	2 x 10µl

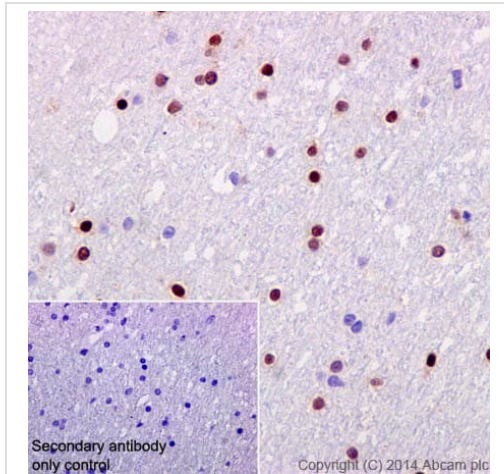
细胞定位

Myelin Basic Protein: Myelin membrane. Cytoplasmic side of myelin. SOX10: Cytoplasm. Nucleus. Olig2: Nucleus. Cytoplasm. The NLS contained in the bHLH domain could be masked in the native form and translocation to the nucleus could be mediated by interaction either with class E bHLH partner protein or with NKX2-2. Myelin oligodendrocyte glycoprotein: Cell membrane.

图片

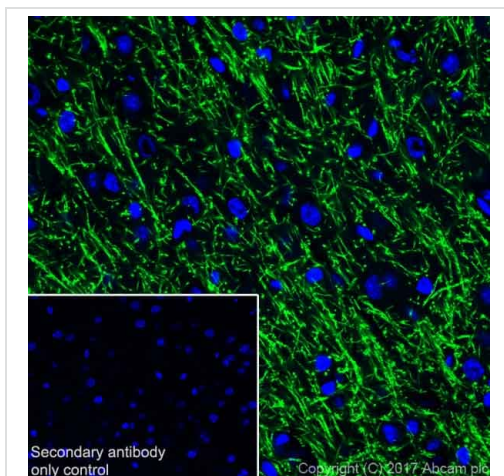


Immunocytochemistry/ Immunofluorescence analysis of B16-F0 (mouse melanoma epithelial cell-like) cells labeling SOX10 with purified [ab227680](#) at 1:25 (3 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Olig2 antibody [EPR2673]

Immunohistochemical staining of paraffin embedded human cerebral cortex with purified **ab109186** at a working dilution of 1/100. The secondary antibody used is **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L), at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

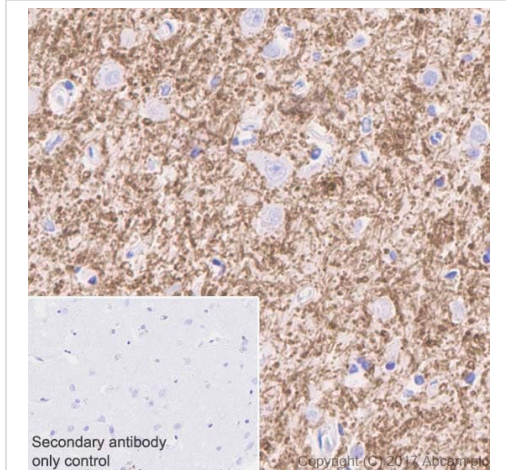


Immunohistochemistry (Frozen sections) - Anti-Myelin Basic Protein antibody [EPR21188]

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse brain (cerebrum) tissue labeling Myelin Basic Protein with **ab218011** at 1/5000 dilution, followed by Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) at 1/1000 dilution (green). Positive staining in the axonal fiber tracts on rat cerebrum tissue section (PMID: 23144976) is observed. The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) (**ab150077**) at 1/1000 dilution.

Perform heat-mediated antigen retrieval by using **ab94681** (Tris-EDTA buffer, pH 9.0).

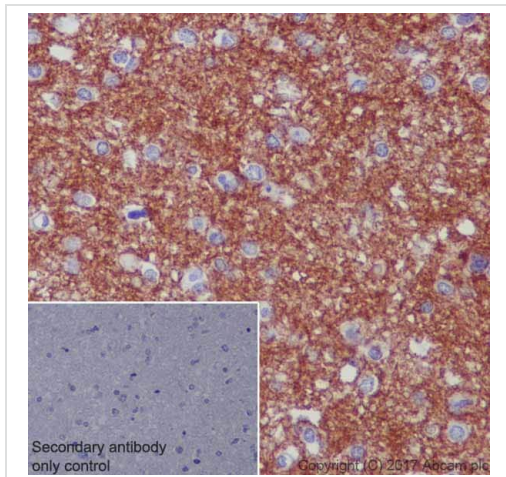


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin Basic Protein antibody [EPR21188]

Immunohistochemical analysis of paraffin-embedded human cerebrum tissue labeling Myelin Basic Protein with [ab218011](#) at 1/5000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining in human cerebrum (PMID: 22496821) is observed. Counter stained with Hematoxylin.

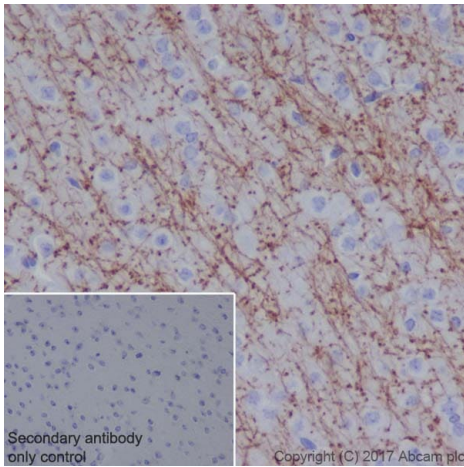
Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



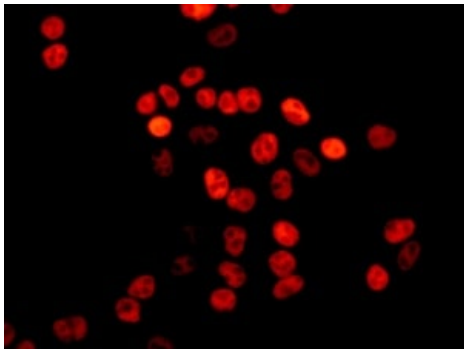
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281]

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human astrocytoma tissue sections labeling Myelin oligodendrocyte glycoprotein with purified [ab109746](#) at 1:1000 dilution (1.12 µg/ml). Heat mediated antigen retrieval was performed using Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use). PBS instead of the primary antibody was used as the negative control.



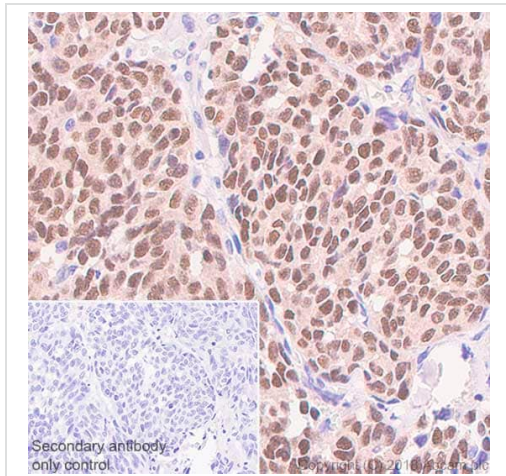
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse cerebrum tissue sections labeling Myelin oligodendrocyte glycoprotein with Purified **ab109746** at 1:1000 dilution (1.12 µg/ml). Heat mediated antigen retrieval was performed using Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281]



Immunofluorescent staining of A-375 (human malignant melanoma cell line) cells labeling SOX10 with **ab155279** at a 1/250 dilution.

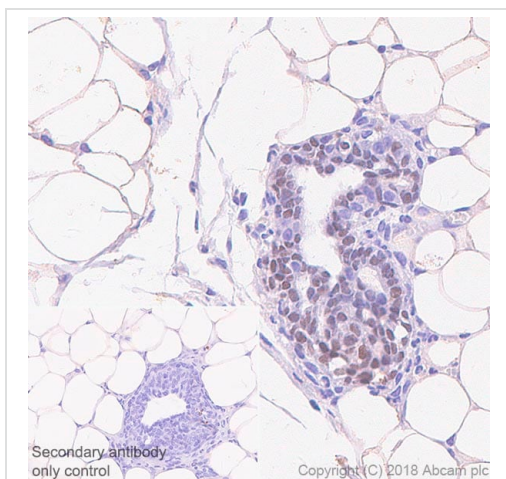
Immunocytochemistry/ Immunofluorescence - Anti-SOX10 antibody [EPR4007]



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX10 antibody [SP267]

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human melanoma tissue sections labeling SOX10 with **ab227680** at 1/100 dilution (0.97 $\mu\text{g/ml}$). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Mainly nuclear staining on the human melanoma, performed on a Leica Biosystems BOND™ RX instrument.

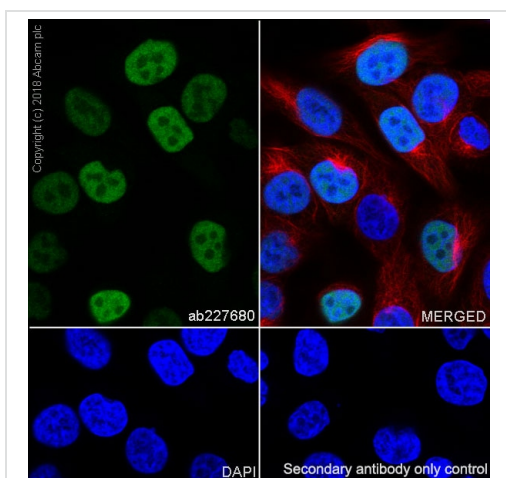
The section was incubated with **ab227680** for 10 mins at room temperature.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SOX10 antibody [SP267]

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse breast tissue sections labeling SOX10 with **ab227680** at 1:100 dilution (0.97 $\mu\text{g/ml}$). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 6.0, epitope retrieval solution 1) for 10mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Hematoxylin was used as a counterstain. Nuclear staining on the mouse breast, performed on a Leica Biosystems BOND RX instrument.

The section was incubated with **ab227680** for 10 mins at room temperature.



Immunocytochemistry/ Immunofluorescence - Anti-SOX10 antibody [SP267]

Immunocytochemistry/ Immunofluorescence analysis of A375 (human malignant melanoma epithelial cell) cells labeling SOX10 with purified **ab227680** at 1:25 (3 $\mu\text{g/ml}$). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 $\mu\text{g/ml}$). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 $\mu\text{g/ml}$) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

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

Mature Oligodendrocyte Marker (Olig2, MBP, MOG, SOX10) Antibody Sampler Panel - Human, Mouse (ab254026)

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

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