

Alexa Fluor® 594 Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] ab305372

Recombinant RabMAb

5 Images

Overview

Product name	Alexa Fluor® 594 Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310]
Description	Alexa Fluor® 594 Rabbit monoclonal [EPR22629-310] to Myelin oligodendrocyte glycoprotein
Host species	Rabbit
Conjugation	Alexa Fluor® 594. Ex: 590nm, Em: 617nm
Tested applications	Suitable for: IHC-Fr, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human, mouse and rat cerebellum tissue. IHC-Fr: Mouse and rat cerebellum tissue (fresh).
General notes	<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> <p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.com.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, 68% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22629-310
Isotype	IgG

Applications

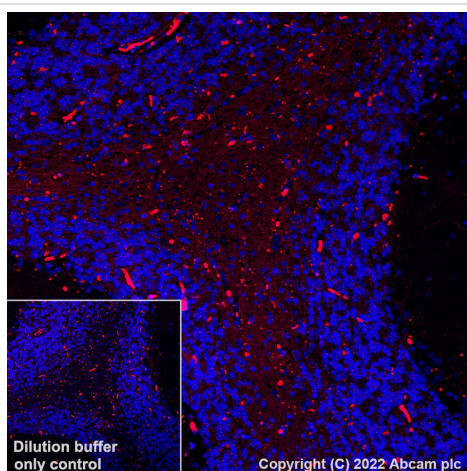
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab305372 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-Fr		1/50.
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function	Mediates homophilic cell-cell adhesion (By similarity). Minor component of the myelin sheath. May be involved in completion and/or maintenance of the myelin sheath and in cell-cell communication.
Tissue specificity	Found exclusively in the CNS, where it is localized on the surface of myelin and oligodendrocyte cytoplasmic membranes.
Sequence similarities	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Cell membrane.

Images

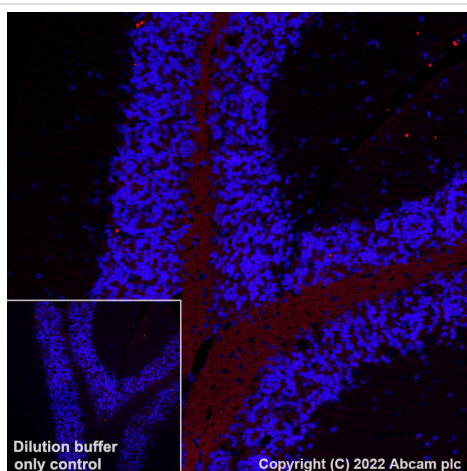


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 594 Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab305372)

Immunohistochemical analysis of paraffin-embedded human cerebellum tissue labeling Myelin oligodendrocyte glycoprotein with ab305372 at 1/50 dilution (10.0 ug/ml).

Positive staining on human cerebellum. The section was incubated with ab305372 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®. The immunostaining was performed on a Leica Biosystems BOND RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins.

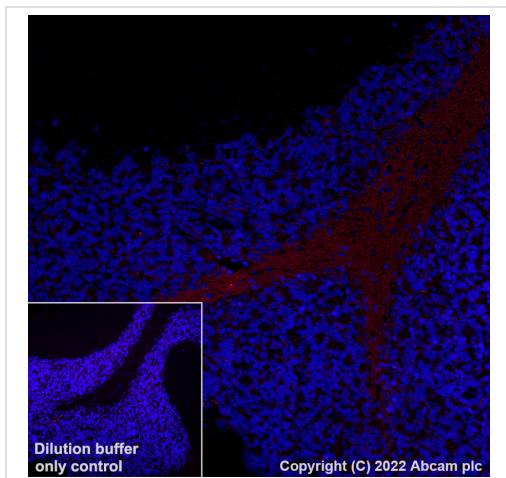


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 594 Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab305372)

Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue labeling Myelin oligodendrocyte glycoprotein with ab305372 at 1/50 dilution (10.0 ug/ml).

Positive staining on mouse cerebellum. The section was incubated with ab305372 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®. The immunostaining was performed on a Leica Biosystems BOND RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins.

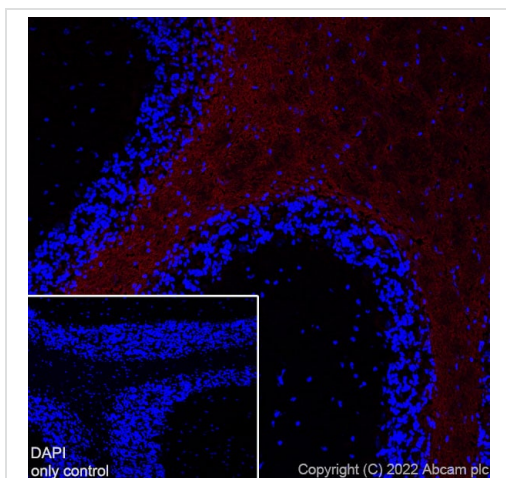


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 594 Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab305372)

Immunohistochemical analysis of paraffin-embedded rat cerebellum tissue labeling Myelin oligodendrocyte glycoprotein with ab305372 at 1/50 dilution (10.0 ug/ml).

Positive staining on rat cerebellum. The section was incubated with ab305372 for 60 mins at room temperature (shown in red). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®. The immunostaining was performed on a Leica Biosystems BOND RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0, Epitope Retrieval Solution2) for 40 mins.



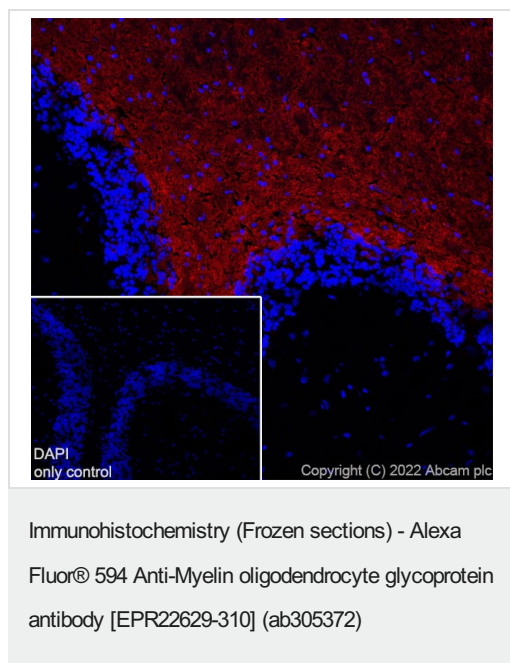
Immunohistochemistry (Frozen sections) - Alexa Fluor® 594 Anti-Myelin oligodendrocyte glycoprotein antibody [EPR22629-310] (ab305372)

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse cerebellum (fresh) tissue labeling Myelin oligodendrocyte glycoprotein with ab305372 at 1/500 dilution (Red).

Confocal image showing positive staining on mouse cerebellum.

The section was incubated with ab305372 for 60 mins at room temperature. The section was then mounted using Fluoromount®.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). The nuclear counterstain was DAPI (Blue).



Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat cerebellum (fresh) tissue labeling Myelin oligodendrocyte glycoprotein with ab305372 at 1/500 dilution (Red).

Confocal image showing positive staining on rat cerebellum.

The section was incubated with ab305372 for 60 mins at room temperature. The section was then mounted using Fluoromount®.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). The nuclear counterstain was DAPI (Blue).

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