

Product datasheet

Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free ab233025

Recombinant RabMAb

[14 Images](#)

Overview

Product name	Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free
Description	Rabbit monoclonal [EP4281] to Myelin oligodendrocyte glycoprotein - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Full length protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	Mouse brain, Rat brain and Human brain lysates; Human astrocytoma tissue and Human brain tissue
General notes	<p>ab233025 is the carrier-free version of ab109746.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2

	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP4281
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab233025 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

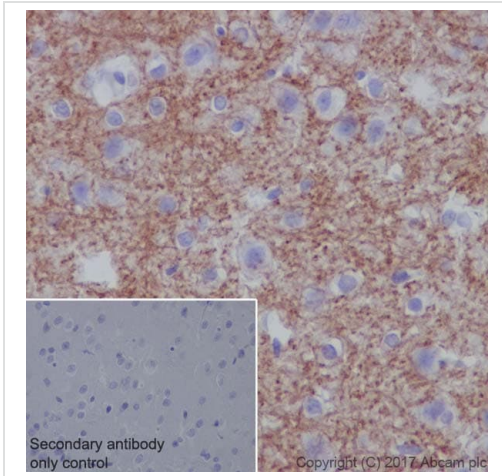
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 28 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or IP.

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.

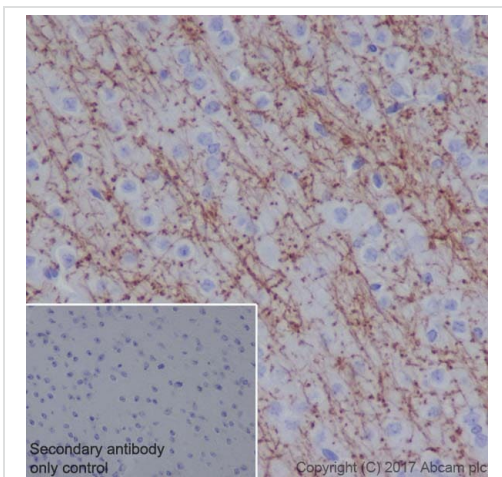
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat 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 **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.

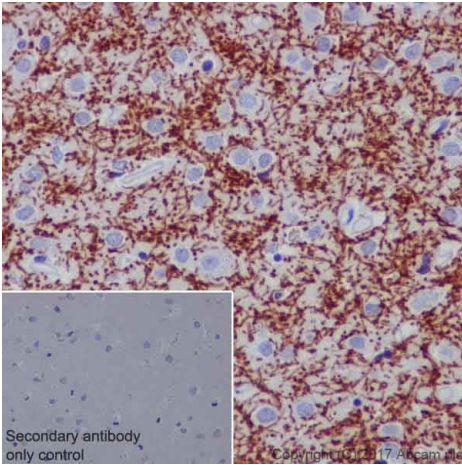
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

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 **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.

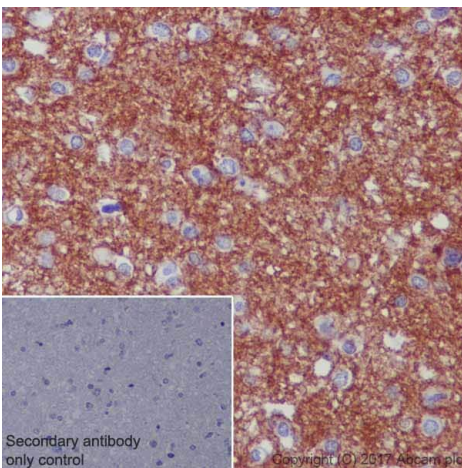
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human 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 [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.

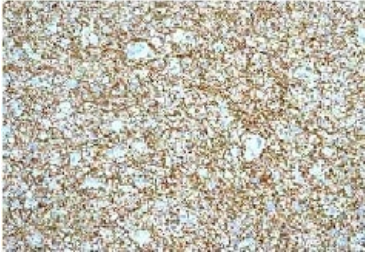
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab109746](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

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 [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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab109746](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746, at 1/1000 dilution, staining Myelin oligodendrocyte glycoprotein in paraffin-embedded Human astrocytoma tissue by Immunohistochemistry. This image was produced using unpurified antibody.

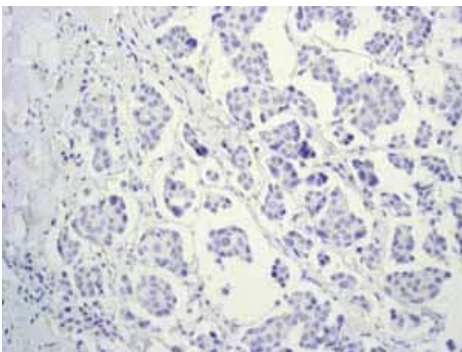
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746, at 1/1000 dilution, staining Myelin oligodendrocyte glycoprotein in paraffin-embedded Human brain tissue by Immunohistochemistry. This image was produced using unpurified antibody.

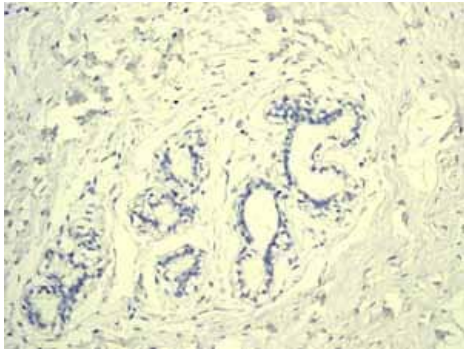
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746 showing negative staining in Breast carcinoma tissue. This image was produced using unpurified antibody.

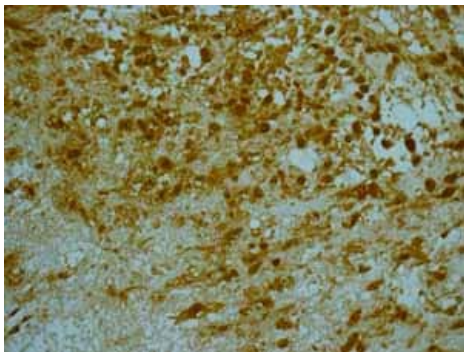
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746 showing negative staining in Normal breast tissue. This image was produced using unpurified antibody.

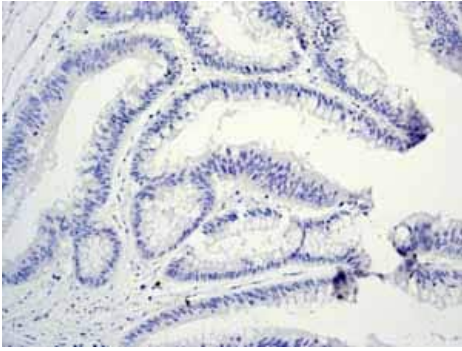
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746 showing positive staining in Glioblastoma tissue. This image was produced using unpurified antibody.

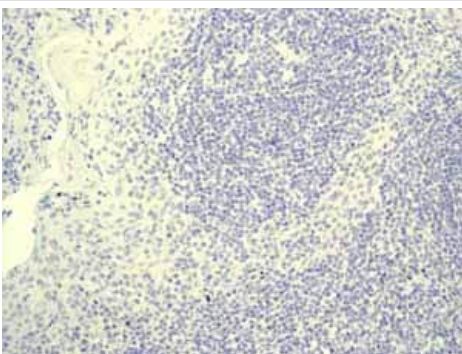
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746 showing negative staining in Colonic adenocarcinoma tissue. This image was produced using unpurified antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).

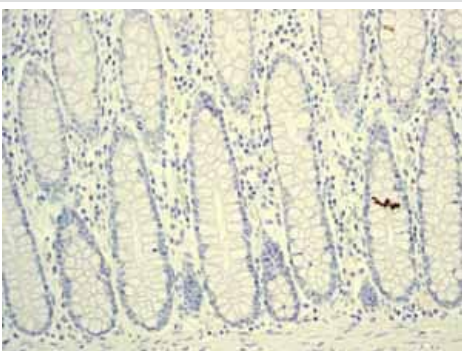


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746 showing negative staining in Normal tonsil tissue. This image was produced using unpurified antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.

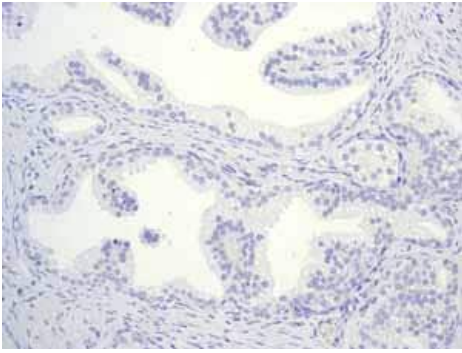


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746 showing negative staining in Normal colon tissue. This image was produced using unpurified antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

ab109746 showing negative staining in Benign prostatic hyperplasia tissue. This image was produced using unpurified antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109746**).

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-Myelin oligodendrocyte glycoprotein antibody [EP4281] - BSA and Azide free (ab233025)

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

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