


Product datasheet

Anti-Myelin oligodendrocyte glycoprotein antibody ab32760

★★★★★ 2 Abreviews 15 References 3 Images

Overview

Product name	Anti-Myelin oligodendrocyte glycoprotein antibody
Description	Rabbit polyclonal to Myelin oligodendrocyte glycoprotein
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-FoFr, IP
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Cow, Human, Common marmoset 
Immunogen	Synthetic peptide corresponding to Rat Myelin oligodendrocyte glycoprotein aa 200 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab32759)
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.</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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab32760** in the following tested applications.

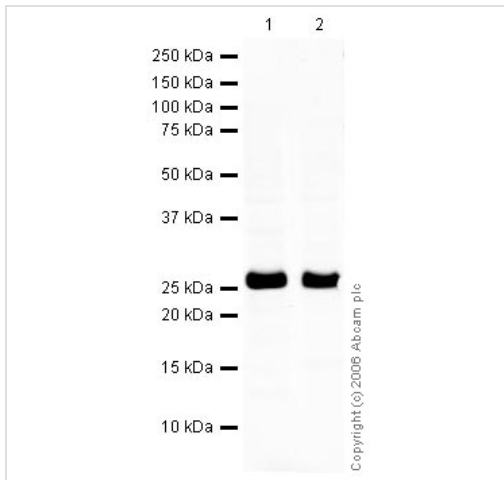
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★☆	Use a concentration of 1 µg/ml. Detects a band of approximately 27 kDa (predicted molecular weight: 27 kDa).
IHC-FoFr	★★★★★	Use at an assay dependent concentration.
IP		Use a concentration of 5 µg/ml.

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



Western blot - Anti-Myelin oligodendrocyte glycoprotein antibody (ab32760)

All lanes : Anti-Myelin oligodendrocyte glycoprotein antibody (ab32760) at 1 µg/ml

Lane 1 : Mouse Brain Whole Tissue Lysate

Lane 2 : Rat Brain Whole Tissue Lysate

Lysates/proteins at 20 µg per lane.

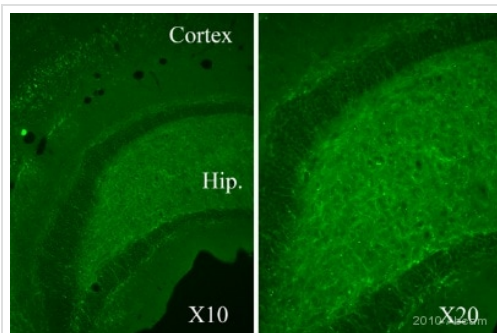
Secondary

All lanes : IR Dye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/15000 dilution

Performed under reducing conditions.

Predicted band size: 27 kDa

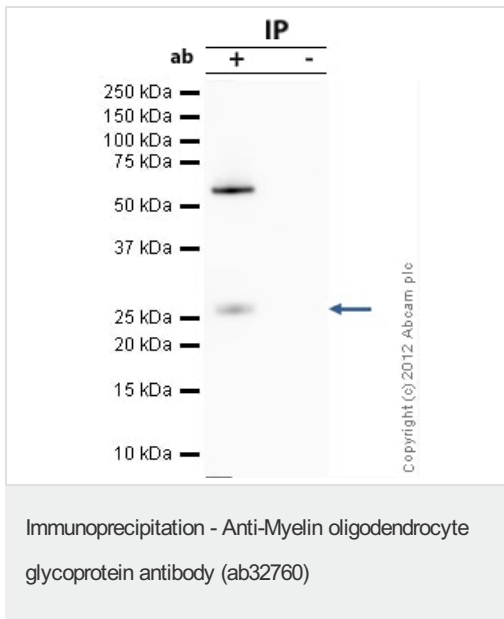
Observed band size: 27 kDa



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Myelin oligodendrocyte glycoprotein antibody (ab32760)

Image courtesy of Abreview from Sophie Pezet

Ab32760 used on Mouse Cortex and Hippocampus in free floating sections using direct fluorescence. The tissues were fixed (animals perfused fixed) with 4% PFA and later postfixed overnight in the same fixative. They were cryoprotected in 30% sucrose and cut using a cryostat.



Myelin oligodendrocyte glycoprotein was immunoprecipitated using 0.5mg Mouse Brain tissue lysate, 5µg of Rabbit polyclonal to Myelin oligodendrocyte glycoprotein and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Mouse Brain tissue lysate lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab32760.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) (ab99697).

Band: 27kDa: Myelin oligodendrocyte glycoprotein

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

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