


## Product datasheet

# Anti-Myelin oligodendrocyte glycoprotein antibody ab32760

★★★★★ [2 Abreviews](#) [25 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-Myelin oligodendrocyte glycoprotein antibody
<b>Description</b>	Rabbit polyclonal to Myelin oligodendrocyte glycoprotein
<b>Host species</b>	Rabbit
<b>Specificity</b>	Replenishment batches of our polyclonal antibody, ab32760 are tested in WB. Previous batches were additionally validated in IHC-FoFr and IP. These applications are still expected to work and are covered by our Abpromise guarantee. You may also be interested in our alternative recombinant antibody, <a href="#">ab233549</a> .
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-FoFr, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat <b>Predicted to work with:</b> Cow, Human, Common marmoset 
<b>Immunogen</b>	Synthetic peptide corresponding to Rat Myelin oligodendrocyte glycoprotein aa 200 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab32759</a> )
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	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.

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** 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
<b>WB</b>	★★★★★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 27 kDa (predicted molecular weight: 27 kDa).
<b>IHC-FoFr</b>	★★★★★ (1)	Use at an assay dependent concentration.
<b>IP</b>		Use a concentration of 5 µg/ml.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Found exclusively in the CNS, where it is localized on the surface of myelin and oligodendrocyte cytoplasmic membranes.
<b>Sequence similarities</b>	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Cellular localization</b>	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.

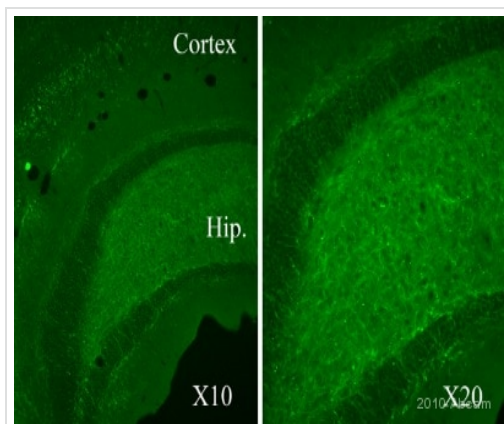
### Secondary

**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

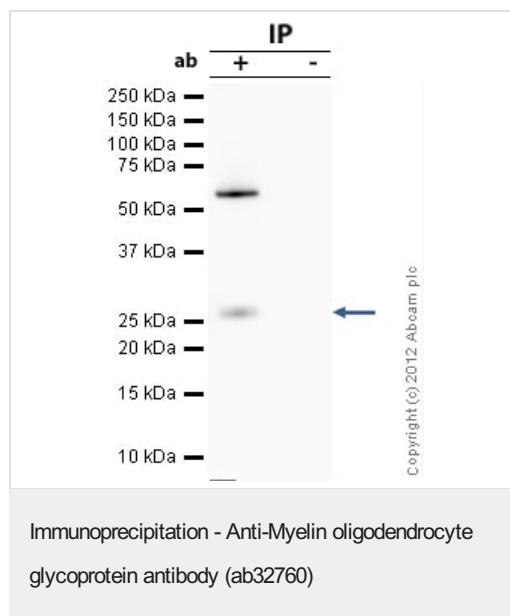
**Observed band size:** 27 kDa



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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