Product name: Anti-Myelin oligodendrocyte glycoprotein antibody

Description: Rabbit polyclonal to Myelin oligodendrocyte glycoprotein

Host species: Rabbit

Tested applications: Suitable for: WB, 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)

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.

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<th>Application</th>
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<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 µg/ml. Detects a band of approximately 27 kDa (predicted molecular weight: 27 kDa).</td>
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<tr>
<td>IP</td>
<td></td>
<td>Use a concentration of 5 µg/ml.</td>
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**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) at 1 µg/ml

- **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
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 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.


Band: 27kDa: Myelin oligodendrocyte glycoprotein

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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