### Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-Oligodendrocyte Specific Protein antibody - Oligodendrocyte Marker</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to Oligodendrocyte Specific Protein - Oligodendrocyte Marker</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
</tbody>
</table>
| **Tested applications** | Suitable for: WB  
                        Unsuitable for: ICC/IF |
| **Species reactivity** | Reacts with: Mouse, Rat, Human  
                        Predicted to work with: Horse, Cow |
| **Immunogen** | Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human Oligodendrocyte Specific Protein OSP. Read Abcam's proprietary immunogen policy (Peptide available as ab66447.) |
| **Positive control** | This antibody gave a positive signal in the following Tissue Lysates: Human Heart Human Colon Human Small Intestine Rat Spinal Cord Rat Testis Mouse Skeletal Muscle (data not shown) Rat Spleen (data not shown) |

### Properties

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>
| **Storage buffer** | Preservative: 0.02% Sodium Azide  
                        Constituents: 1% BSA, PBS, pH 7.4 |
| **Purity** | Immunogen affinity purified |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

### Applications

Our **Abpromise guarantee** covers the use of **ab64369** in the following tested applications.

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

Is unsuitable for ICC/IF.

Target

Function

Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.

Sequence similarities

Belongs to the claudin family.

Cellular localization

Cell junction > tight junction. Cell membrane.

Images

**All lanes**: Anti-Oligodendrocyte Specific Protein antibody - Oligodendrocyte Marker (ab64369) at 1 µg/ml

**Lane 1**: Human heart tissue lysate - total protein (ab29431)

**Lane 2**: Spinal Cord (Rat) Tissue Lysate

**Lane 3**: Human colon tissue lysate - total protein (ab30051)

**Lane 4**: Testis (Rat) Tissue Lysate - normal tissue (ab29388)

**Lane 5**: Human small intestine tissue lysate - total protein (ab29276)

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes**: Goit polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

**Predicted band size**: 22 kDa

**Observed band size**: 22 kDa

**Additional bands at**: 52 kDa, 60 kDa, 70 kDa. We are unsure as to the identity of these extra bands.

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