Product Datasheet

Anti-RBPMS

Overview

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>1830-RBPMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Host Species</td>
<td>Rabbit Polyclonal</td>
</tr>
<tr>
<td>Format</td>
<td>Antigen Affinity Purified</td>
</tr>
<tr>
<td>Applications</td>
<td>WB 1:1000 IHC 1:100-1:2000 ICC 1:200-1:500</td>
</tr>
<tr>
<td>Species Tested</td>
<td>Feline, Guinea Pig, Human, Mouse, Non-Human Primate, Pig, Rabbit, Rat, Tree Shrew, Whale, Zebrafish</td>
</tr>
<tr>
<td>Expected Reactivity</td>
<td>Canine, Hamster</td>
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<tr>
<td>Immunogen</td>
<td>Synthetic peptide corresponding to amino acid residues from the N-terminal region of rat RBPMS, conjugated to keyhole limpet hemocyanin (KLH).</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>24 kDa</td>
</tr>
<tr>
<td>Cite this Antibody</td>
<td>PhosphoSolutions Cat# 1830-RBPMS, RRID: AB_2492225</td>
</tr>
</tbody>
</table>

Images

Western blot of rat heart lysate showing specific labeling of the ~24 kDa RBPMS protein.

Immunostaining of mouse retinal ganglion cells showing specific immunolabeling of RBPMS (1:1000) in red. Photo courtesy of Allen Rodriguez, University of California, Los Angeles.
RBPMS (RNA binding protein with multiple splicing), also known as HERMES, contains one RRM (RNA recognition motif) domain and belongs to the RRM family of RNA-binding proteins. RBPMS exists as multiple alternatively spliced isoforms and is thought to bind RNA, possibly playing a role in RNA-related events, such as transcription and translation. RNA-binding proteins that are specific to retinal ganglion cells (RGCs) have been previously identified as excellent markers for RGCs (Kwong et al., 2010). Recent findings show that antibodies against RBPMS are robust reagents that exclusively identify RGCs in multiple mammalian species (Rodriguez et al. 2014).

Specificity

Specific for endogenous levels of the ~24 kDa RBPMS protein.

Production/Purification

Affinity purification via chromatography on an affinity column prepared with the peptide used as antigen.

Quality Control

Western blots performed on each lot.

Buffer

PBS + 0.03% NaN3

Storage

Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 µL/vial depending on usage) upon arrival and stored long term at -20°C or -80°C, while keeping a working aliquot stored at 4°C for short term. Avoid freeze/thaw cycles.

Stability

After date of receipt, stable for at least 1 year at -20°C.

Significant Citations


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