Anti-RBPMS Antibody

Catalog #: 1832-RBPMS  Size: 100 µl

Cite this Antibody: PhosphoSolutions Cat# 1832-RBPMS, RRID:AB_2492226

Product Description: Guinea pig polyclonal antibody.

Biological Significance: 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).

Antigen: Synthetic peptide corresponding to amino acid residues from the N-terminal region of the rat RBPMS sequence conjugated to KLH.

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

Purification Method: The antibody is prepared from guinea pig serum by affinity purification via chromatography on an affinity column prepared with the N-terminal peptide used as antigen.

Quality Control Tests: Western blots performed on each lot.

Packaging: 100 µl in PBS +0.03% sodium azide.

Storage and Stability: Shipped on blue ice. Store at −20°C in undiluted aliquots; stable for at least 1 year. Avoid freeze/thaw cycles.

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

Immunostaining of rat retinal ganglion cells showing specific immunolabeling of RBPMS in green. Photo courtesy of Brian Choi, Univ. of Toronto.
Product Specific References:


**Application Key:** WB = Western Blot  IF = Immunofluorescence  IHC = Immunohistochemistry  IP = Immunoprecipitation

**Species Reactivity Key:** All-All Species  A-Avian  Amp-Amphibian  Ar-Arabidopsis  B-Bovine  C-Canine  Ch-Chicken  D-Drosophila  GP-Guinea Pig  H-Human  Ha-Hamster  M-Mouse  NHP-Non-human primate  P-Pig  R-Rat  Ra-Rabbit  S-Sheep  X-Xenopus  Z-Zebrafish

*Species assumed based on 100% homology with sequence used as antigen*
General References:
