bs-0258R **[Primary Antibody]**

MAG Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4099 **SWISS:** P20916

Target: MAG

Immunogen: KLH conjugated synthetic peptide derived from human MAG: 551-626/626. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: MAG (myelin associated glycoprotein) is a Adhesion molecule in postnatal neural development that mediates sialic-acid dependent cell-cell interactions between neuronal and myelinating cells. Preferentially binds to alpha2,3-linked sialic acid. Isoform L-MAG is critical for the formation of myelin in the CNS, whereas isoform S-MAG is sufficient to maintain the integrity of myelin in PNS. Binds to RTN4R. single-pass type I membrane protein. Expressed by myelinating glial cells in the central and peripheral nervous system. Detected in oligodendrocyte processes before formation of compact myelin. Restricted to the periaxonal space after myelination. Isoform S-MAG is the predominant isoform in CNS and PNS of the adult. In CNS isoform L-MAG is the major form synthesized early in development, and it persists as a significant proportion of the MAG present in the adult. In the PNS isoform L-MAG is expressed at modest levels during development; it is absent in the adult. Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family.

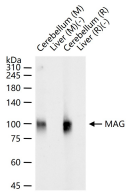
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

Reactivity: Mouse, Rat (predicted: Human, Cow, Dog, Horse)

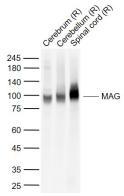
Predicted MW.: 67 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with MAG polyclonal antibody, unconjugated (bs-0258R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Sample: Lane 1: Rat Cerebrum tissue lysates Lane 2: Rat Cerebellum tissue lysates Lane 3: Rat Spinal cord tissue lysates Primary: Anti- MAG (bs-0258R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67 kDa Observed band size: 98 kDa