

## **MAG Polyclonal Antibody**

Catalog No: YT5517

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: MAG

Fields: >>Cell adhesion molecules

Gene Name: MAG

Protein Name: Myelin-associated glycoprotein

P20916

P20917

Human Gene Id: 4099

**Human Swiss Prot** 

Iuman Swiss Froi

No:

Mouse Gene Id: 17136

**Mouse Swiss Prot** 

No:

Rat Gene ld: 29409

Rat Swiss Prot No: P07722

**Immunogen:** The antiserum was produced against synthesized peptide derived from the C-

terminal region of human MAG. AA range:501-550

**Specificity:** MAG Polyclonal Antibody detects endogenous levels of MAG protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.

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**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration**: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 70kD

**Cell Pathway:** Cell adhesion molecules (CAMs);

**Background:** The protein encoded by this gene is a type I membrane protein and member of

the immunoglobulin superfamily. It is thought to be involved in the process of myelination. It is a lectin that binds to sialylated glycoconjugates and mediates certain myelin-neuron cell-cell interactions. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by

RefSeg, Nov 2010],

Function: function:Adhesion molecule in postnatal neural development that mediates sialic-

acid dependent cell-cell interactions between neuronal and myelinating cells.

Preferentially binds to alpha-2,3-linked sialic acid.,online

information:Siglec-4,similarity:Belongs to the immunoglobulin superfamily. SIGLEC (sialic acid binding Ig-like lectin) family.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 4 Ig-like C2-type

type (initiallogiobalii-like) domaili., similanty. Oontailis 4 ig-like 02-ty

(immunoglobulin-like) domains., subunit: Binds to RTN4R.,

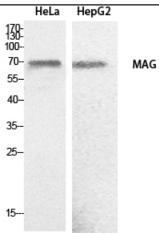
Subcellular Location:

Cell membrane; Single-pass type I membrane protein. Membrane raft.

**Expression:** 

Both isoform 1 and isoform 2 are detected in myelinated structures in the central and peripheral nervous system, in periaxonal myelin and at Schmidt-Lanterman incisures (PubMed:9495552, PubMed:6200494). Detected in optic nerve, in oligodendroglia and in periaxonal myelin sheaths (PubMed:6200494). Detected in compact myelin (at protein level) (PubMed:6200494). Both isoform 1 and isoform 2 are detected in the central and peripheral nervous system (PubMed:9495552).

## **Products Images**



Western Blot analysis of HeLa, HepG2 cells using MAG Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000