



Rabbit Anti-Omgp antibody

SL1200R

Product Name:	Omgp
Chinese Name:	少突细胞髓磷脂glycoprotein抗体
Alias:	oligodendrocyte myelin glycoprotein; OMG; OMGP; Oligodendrocyte-myelin glycoprotein; OMGP_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	43kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Omgp:166-280/440
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Oligodendrocyte myelin glycoprotein (OMG) is a glycosylphosphatidylinositol (GPI)-anchored CNS myelin protein, which is a potent inhibitor of neurite outgrowth in cultured neurons, and contributes significantly to the inhibitory activity associated with CNS myelin. Function: Cell adhesion molecule contributing to the interactive process required for myelination

in the central nervous system.

Subunit:

Binds to RTN4R.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Specificity:

Oligodendrocytes and myelin of the central nervous system.

Post-translational modifications:

O-glycosylated in its Ser/Thr-rich repeat domain (Potential).

Similarity:

Contains 8 LRR (leucine-rich) repeats.

Contains 1 LRRNT domain.

SWISS:

P23515

Gene ID:

4974

Database links:

[Entrez Gene: 407186](#)Cow

[Entrez Gene: 4974](#)Human

[Entrez Gene: 100172122](#)Orangutan

[Olim: 164345](#)Human

[SwissProt: P23515](#)Human

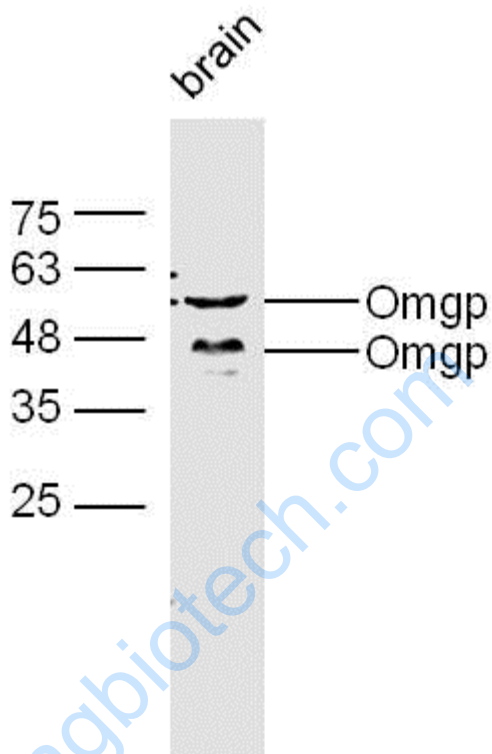
[Unigene: 113874](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

OMgp也是髓鞘glycoprotein的一种,在发育期促进轴突生长,成熟期抑制轴突生长.其抑制作用主要由髓鞘来源的抑制分子的共同受体NgR介导,在神经营养因子受体p75NTR以及小GTP酶Rho等信号分子的共同参与下完成.

Picture:



Sample:

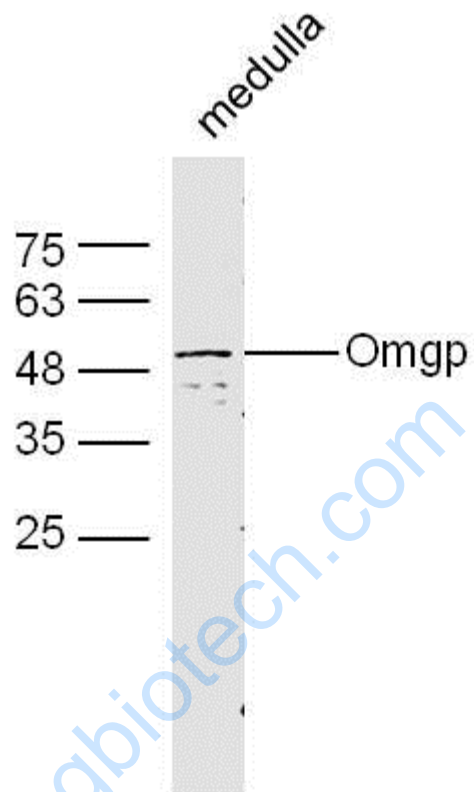
brain (Mouse) Lysate at 40 ug

Primary: Anti-Omgp (SL1200R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43 kD

Observed band size: 48/50 kD



Sample: Medulla (Mouse) Lysate at 30 ug

Primary: Anti- Omgp (SL1200R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43 kD

Observed band size: 49 kD