

Rabbit Anti-Omgp antibody

SL1200R

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|-------------------------------------|---|
| 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. |
| Research Area | Neurobiology Signal transduction Apoptosis |
| Immunogen Species | Rabbit |
| Clonality | Polyclonal |
| React Species | Human,Mouse,Rat(predicted:Cow) WB=1:500-2000 |
| Applications | not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Theoretical molecular weight | 43kDa |
| Cellular localization | The cell membrane |
| Form | Liquid |
| Concentration | 1mg/ml |
| immunogen | KLH conjugated synthetic peptide derived from human Omgp: 166-280/440 |
| Lsotype | IgG |
| Purification | affinity purified by Protein A |
| Buffer Solution | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. |
| Storage | Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| Attention | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| 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

[Omim: 164345](#) Human

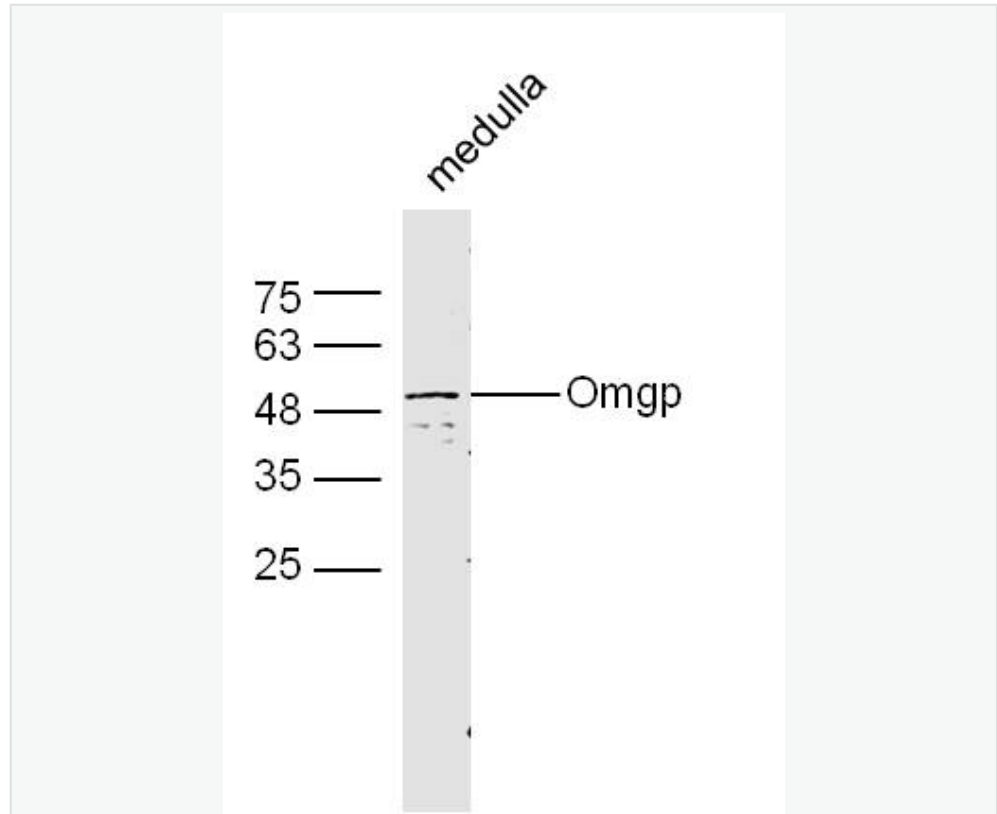
[SwissProt: P23515](#) Human

[Unigene: 113874](#) Human

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.

Product Picture



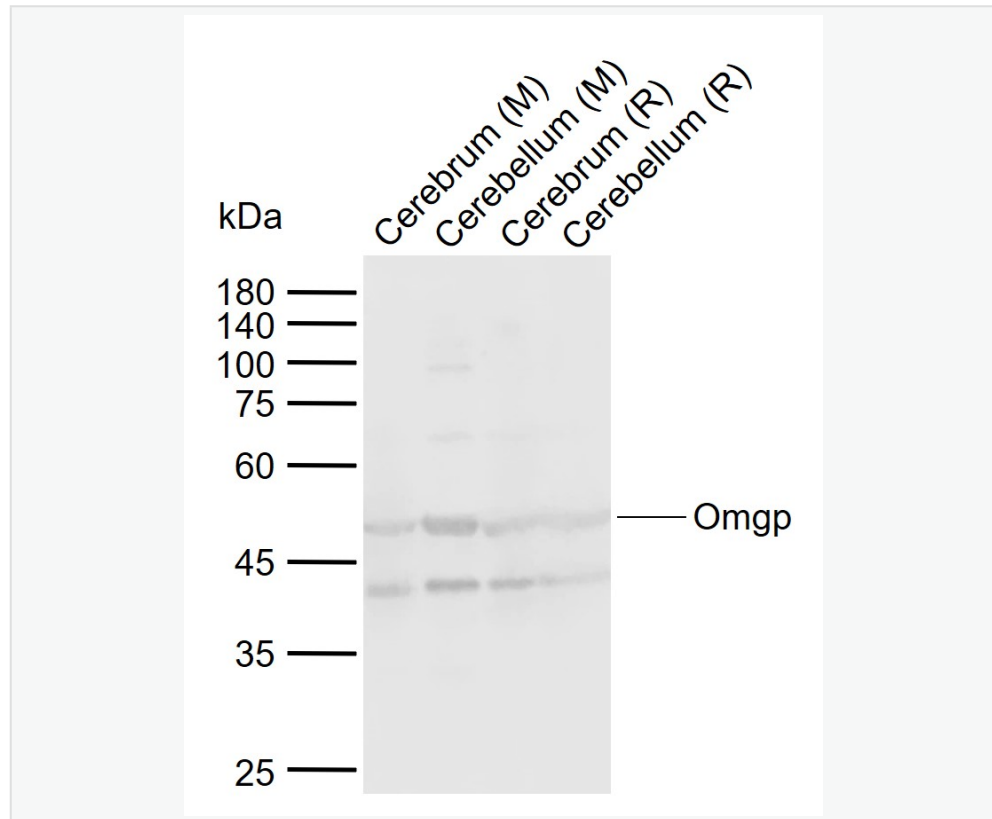
Sample: Medulla (Mouse) Lysate at 30 ug

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



Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Mouse Cerebellum tissue lysates

Lane 3: Rat Cerebrum tissue lysates

Lane 4: Rat Cerebellum tissue lysates

Primary: Anti-Omgp (SL1200R) at 1/1000 dilution

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

Predicted band size: 43 kDa

Observed band size: 48 kDa