

OMG Recombinant antibody

Catalog Number: 86584-1-RR

Basic Information

Catalog Number:

86584-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG5825

GenBank Accession Number:

NM_002544.5

GeneID (NCBI):

4974

UNIPROT ID:

P23515

Full Name:

oligodendrocyte myelin glycoprotein

Calculated MW:

50 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

251402D4

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, fetal human brain tissue, rat brain tissue, mouse cerebellum tissue, rat cerebellum tissue

Background Information

OMG (oligodendrocyte myelin glycoprotein), also known as OMGP. It is expected to be located in cell membrane, the protein is mainly expressed in the central nervous system in both neurons and oligodendrocytes. The calculated molecular weight of OMG is 50 kDa, and o-glycosylated in its Ser/Thr-rich repeat domain. It is also a cell adhesion molecule contributing to the interactive process required for myelination in the central nervous system. Axonal regeneration in the adult spinal cord is thought to be at least partially blocked after injury by inhibitory myelin components, including Nogo, myelin associated glycoprotein (MAG) and oligodendrocyte-myelin glycoprotein (OMGP).

Storage

Storage:

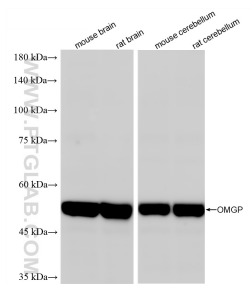
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

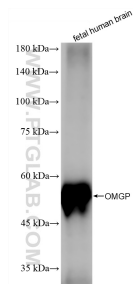
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86584-1-RR (OMGP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 86584-1-RR (OMGP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.