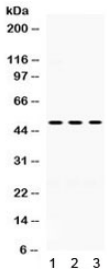
OMG Antibody (R32023)

Catalog No.	Formulation	Size
R32023	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P23515
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This OMG antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain and 3) human U87 lysate with OMG antibody. Predicted molecular weight: ~50/150 kDa (unmodified/glycosylated).

Description

Oligodendrocyte-myelin glycoprotein is a protein that in humans is encoded by the OMG gene. This gene is mapped to 17q11-q12. OMG, like neurofibromin (NF1), has growth suppressive effects and downregulates mitogenic signaling pathways closely related to those influenced by neurofibromin. Overexpression of OMG alters mitogenic signaling in fibroblasts. Cells overexpressing OMG grow more slowly in serum compared to controls and show a partial G1 block upon cell cycle analysis.

Application Notes

Optimal dilution of the OMG antibody should be determined by the researcher.

Immunogen

Amino acids YNHFTDLHNQLTQYTNLRTLDISNNRLESLPAHLPR of human OMG were used as the immunogen for the OMG antibody.

Storage

After reconstitution, the OMG antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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