

Anti-OMG Picoband Antibody
Catalog # ABO12416**Specification**

Anti-OMG Picoband Antibody - Product Information

Application	WB
Primary Accession	P23515
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Oligodendrocyte-myelin glycoprotein(OMG) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-OMG Picoband Antibody - Additional Information

Gene ID 4974

Other Names

Oligodendrocyte-myelin glycoprotein, OMG, OMGP

Calculated MW

49608 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Cell membrane; Lipid-anchor, GPI-anchor.

Tissue Specificity

Oligodendrocytes and myelin of the central nervous system.

Protein Name

Oligodendrocyte-myelin glycoprotein

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human OMG (64-99aa YNHFTDLHNQLTQYTNLRSLDISNNRLESLPAHLPR), different from the related mouse sequence by two amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-OMG Picoband Antibody - Protein Information

Name OMG

Synonyms OMGP

Function

Cell adhesion molecule contributing to the interactive process required for myelination in the central nervous system.

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor.

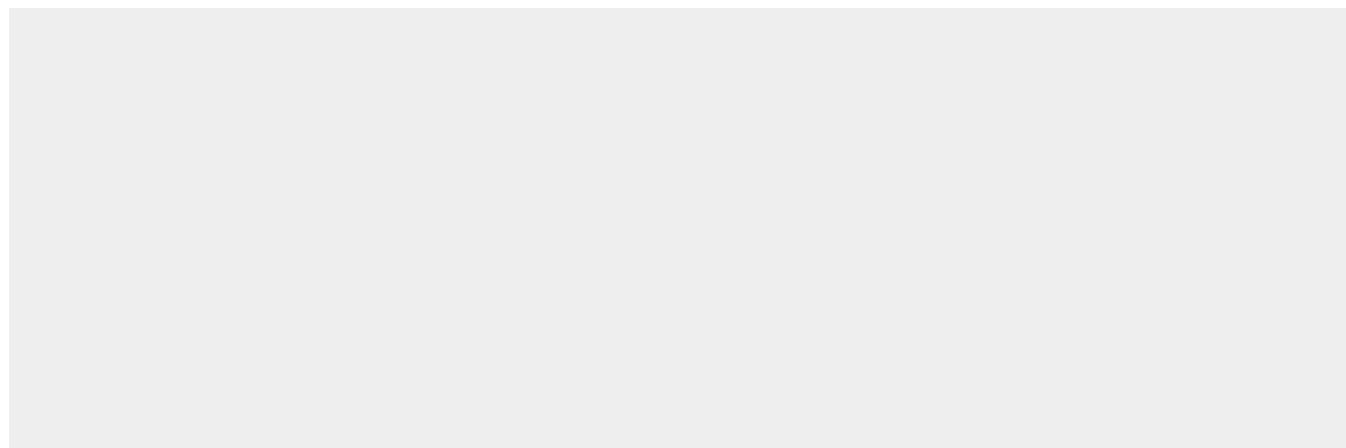
Tissue Location

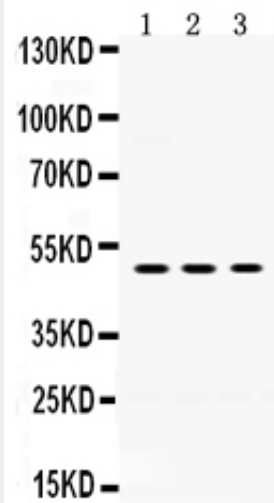
Oligodendrocytes and myelin of the central nervous system

Anti-OMG Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-OMG Picoband Antibody - Images



Anti- OMG Picoband antibody, ABO12416, Western blottingAll lanes: Anti OMG (ABO12416) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: U87 Whole Cell Lysate at 40ugPredicted bind size: 50KDObserved bind size: 50KD

Anti-OMG Picoband Antibody - Background

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.