

Anti-OMG Picoband Antibody

Catalog # ABO12416

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.

Additional Information

Gene ID	4974
Other Names	Oligodendrocyte-myelin glycoprotein, OMG, OMGP
Calculated MW	49608
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.
Source	Eukaryota
Protein Name	Oligodendrocyte-myelin glycoprotein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human OMG (64-99aa YNHFTDLHNQLTQYTNLRTLDISNNRLES _{LP} AHLPR), 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.

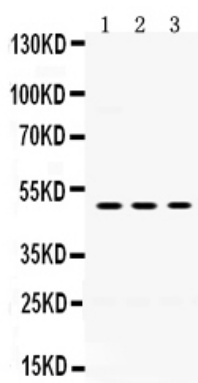
Protein Information

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

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.

Images



Anti- OMG Picoband antibody, ABO12416, Western blotting
All lanes: Anti OMG (ABO12416) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 50ug
Lane 2: Mouse Brain Tissue Lysate at 50ug
Lane 3: U87 Whole Cell Lysate at 40ug
Predicted bind size: 50KD
Observed bind size: 50KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.