

Datasheet for ABIN3043375
anti-OMG antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	OMG
Binding Specificity:	AA 64-99, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This OMG antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-Oligodendrocyte myelin glycoprotein/OMG Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human OMG, different from the related mouse sequence by two amino acids.
Sequence:	YNHFTDLHNQ LTQYTNLRTL DISNNRLESL PAHLPR
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Oligodendrocyte myelin glycoprotein/OMG Antibody Picoband® (ABIN3043375). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: OMG

Alternative Name: OMG ([OMG Products](#))

Background: Synonyms: Oligodendrocyte-myelin glycoprotein,OMG,OMGP,
Tissue Specificity: 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.

Molecular Weight: 50 kDa

Gene ID: 4974

UniProt: [P23515](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Regulation of Cell Size](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat
1. "Entrez Gene: OMG oligodendrocyte myelin glycoprotein". 2. Mikol DD, Alexakos MJ, Bayley CA, Lemons RS, Le Beau MM, Stefansson K (Mar 1991). "Structure and chromosomal localization of the gene for the oligodendrocyte-myelin glycoprotein". J Cell Biol 111 (6 Pt 1): 2673-9. 3. Viskochil D, Cawthon R, O'Connell P, Xu GF, Stevens J, Culver M, Carey J, White R (Mar 1991). "The gene encoding the oligodendrocyte-myelin glycoprotein is embedded within the neurofibromatosis type 1 gene". Mol Cell Biol 11 (2): 906-12.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

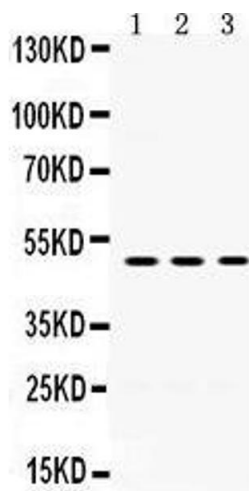
Handling

Format: Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1.