

Rabbit anti-Rat Myelin Oligodendrocyte Glycoprotein Polyclonal Antibody | anti-MOG antibody

Anti-Myelin Oligodendrocyte Glycoprotein Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257329	Rabbit	Rat	Immunohistochemistry, ELISA, Western Blot

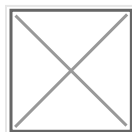
PRODUCT SYNONYMS

Myelin Oligodendrocyte Glycoprotein; Polyclonal Antibody; Anti-Myelin Oligodendrocyte Glycoprotein Antibody; Rabbit Polyclonal; Myelin oligodendrocyte glycoprotein Antibody; Rabbit PAb; Antigen Affinity Purified; myelin oligodendrocyte glycoprotein; anti-MOG antibody

PRODUCT SPECIFICATIONS

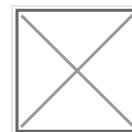
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat Myelin oligodendrocyte glycoprotein
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-MOG antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Rat Myelin oligodendrocyte glycoprotein protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Rat Myelin oligodendrocyte glycoprotein (1PKQ_E; 1M-139H). Myelin oligodendrocyte glycoprotein specific IgG was purified by Rat Myelin oligodendrocyte glycoprotein affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-MOG rabbit polyclonal antibody at 1:500 dilution. Lane A: Rat brain tissue lysate Lane B: Mouse brain tissue lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 27 kDa Observed band size: 25 kDa



IHC (Immunohistochemistry)

Immunochemical staining of rat MOG in rat brain with rabbit polyclonal antibody (1:25000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-MOG antibody	Myelin oligodendrocyte glycoprotein (MOG) is a transmembrane protein belonging to the immunoglobulin superfamily and contains an Ig-like domain followed by two potential membrane-spanning regions. MOG is expressed only in the CNS with very low content (approximately 0.1% total proteins) in the oligodendroglial cell membrane. Three possible functions for MOG were suggested: (a) a cellular adhesive molecule, (b) a regulator of oligodendrocyte microtubule stability, and (c) a mediator of interactions between myelin and the immune system, in particular, the complement cascade. A direct interaction might exist between the membrane-associated regions of MOG and the myelin-specific glycolipid galactocerebroside (Gal-C), and such an interaction may have important consequences regarding the membrane topology and function of both molecules. It is considered that MOG is an autoantigen capable to produce demyelinating multiple sclerosis-like diseases in experimental animals.
References	Chekhonin VP, et al. (2003) Myelin oligodendroglial glycoprotein: the structure, functions, role in pathogenesis of demyelinating disorders. Biomed Khim. 49(5): 411-23.Hilton AA, et al. (1995) Characterization of cDNA and Genomic Clones Encoding Human Myelin Oligodendrocyte Glycoprotein. J Neurochem. 65(1): 309-18.Johns TG, et al. (1999) The Structure and Function of Myelin Oligodendrocyte Glycoprotein. J Neurochem. 72(1): 1-9.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/myelin-oligodendrocyte-glycoprotein-antibody-immunohistochemistry-western-blot-elisa/257329>