10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MOG Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18125c

Specification

MOG Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q16653
Other Accession	Q9BGS7, NP_001008229.1
Reactivity	**Human**
Predicted	**Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**28193**
Antigen Region	**82-109**

MOG Antibody (Center) - Additional Information

Gene ID 4340

Other Names
Myelin-oligodendrocyte glycoprotein, MOG

Target/Specificity
This MOG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-109 amino acids from the Central region of human MOG.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MOG Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MOG Antibody (Center) - Protein Information

Name MOG

Function Mediates homophilic cell-cell adhesion (By similarity). Minor component of the myelin sheath. May be involved in completion and/or maintenance of the myelin sheath and in cell-cell communication.

Cellular Location
[Isoform 1]: Cell membrane; Multi- pass membrane protein [Isoform 2]: Cell membrane; Single-pass type I membrane protein [Isoform 4]: Cell membrane; Single- pass type I membrane protein [Isoform 7]: Cell membrane; Single- pass type I membrane protein [Isoform 9]: Cell membrane; Single- pass type I membrane protein

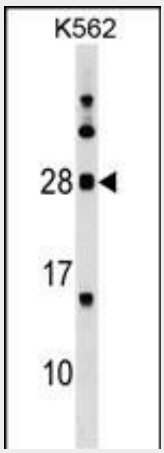
Tissue Location
Found exclusively in the CNS, where it is localized on the surface of myelin and oligodendrocyte cytoplasmic membranes

MOG Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MOG Antibody (Center) - Images



MOG Antibody (Center) (Cat. #AP18125c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the MOG antibody detected the MOG protein (arrow).

MOG Antibody (Center) - Background

The product of this gene is a membrane protein expressed on the oligodendrocyte cell surface and the outermost surface of myelin sheaths. Due to this localization, it is a primary target antigen involved in immune-mediated demyelination. This protein may be involved in completion and maintenance of the myelin sheath and in cell-cell communication. Alternatively spliced transcript

variants encoding different isoforms have been identified.

MOG Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Boyle, L.H., et al. J. Neurochem. 102(6):1853-1862(2007)
Allamargot, C., et al. J. Neurochem. 101(2):298-312(2007)
Delarasse, C., et al. J. Neurochem. 98(6):1707-1717(2006)
Ballenthin, P.A., et al. J. Neurosci. Res. 46(2):271-281(1996)