

## Rabbit MOG Polyclonal Antibody | anti-MOG antibody

MOG Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA326997 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

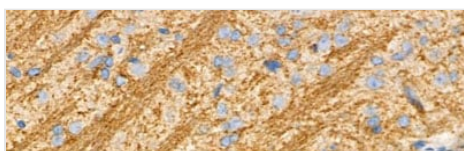
### PRODUCT SYNONYMS

MOG; Polyclonal Antibody; MOG Antibody; BTN6; BTNL11; MGC26137; MOG alpha 5; MOG alpha 6; MOG AluA; MOG AluB; MOG Ig AluB; MOG\_HUMAN; MOGIG2; Myelin oligodendrocyte glycoprotein; Myelin-oligodendrocyte glycoprotein; NRCLP7; anti-MOG antibody

### PRODUCT SPECIFICATIONS

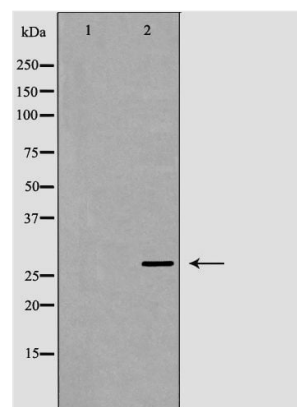
|                                               |                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                 |
| Reactivity                                    | Human, Mouse, Rat                                                                                      |
| Clonality                                     | Polyclonal                                                                                             |
| Isotype                                       | IgG                                                                                                    |
| Specificity                                   | MOG antibody detects endogenous levels of total MOG                                                    |
| Purity/Purification                           | Peptide affinity purification                                                                          |
| Form/Format                                   | Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                 |
| Sequence Length                               | 224                                                                                                    |
| Applicable Applications for anti-MOG antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                   |
| Immunogen                                     | A synthesized peptide derived from human MOG, corresponding to a region within C-terminal amino acids. |
| Preparation and Storage                       | Store at -20 degree C. Stable for 12 months from date of receipt.                                      |

### IMAGES



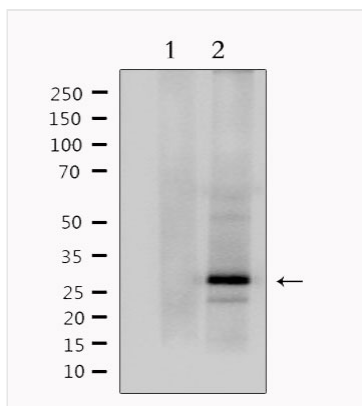
#### IHC (Immunohistochemistry)

AAA326997 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### WB (Western Blot)

Western blot analysis of extracts of mouse brain, using MOG antibody. The lane on the left is treated with the antigen-specific peptide.



#### WB (Western Blot)

Western blot analysis of extracts from mouse brain, using MOG Antibody. Lane 1 was treated with the antigen-specific peptide.

## ADDITIONAL INFORMATION

### Related Product Information for anti-MOG antibody

Description: 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. Subunit Structure: Homodimer (By similarity). May form heterodimers between the different isoforms (By similarity).

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 56788389                                                                                       |
| NCBI GeneID                      | 4340                                                                                           |
| NCBI Accession #                 | NP_001008229.1                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001008228.2                                                                                 |
| UniProt Accession #              | Q16653; O00713; O00714; O00715; Q13054; Q13055; A6NDR4; A6NNJ9; A8MY31; B0UZR9; E9PGF0; F8W9D5 |
| Molecular Weight                 | 28kDa                                                                                          |
| NCBI Official Full Name          | myelin-oligodendrocyte glycoprotein isoform alpha3                                             |
| NCBI Official Synonym Full Names | myelin oligodendrocyte glycoprotein                                                            |
| NCBI Official Symbol             | MOG                                                                                            |
| NCBI Official Synonym Symbols    | BTN6; BTNL11; MOGIG2; NRCLP7                                                                   |
| NCBI Protein Information         | myelin-oligodendrocyte glycoprotein                                                            |
| UniProt Protein Name             | Myelin-oligodendrocyte glycoprotein                                                            |
| UniProt Gene Name                | MOG                                                                                            |

**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/mog-antibody-immunohistochemistry-western-blot-elisa/326997>