

Myelin oligodendrocyte glycoprotein Rabbit mAb

Catalog No.: A3992

Recombinant

1 Publications

Basic Information

Observed MW

28kDa

Calculated MW

28kDa

Category

Primary antibody

Applications

WB, IF/ICC, ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC0879

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.

Recommended Dilutions

WB 1:1000 - 1:6000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4340

Swiss Prot

Q16653

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Myelin oligodendrocyte glycoprotein (NP_996532.2).

Synonyms

BTN6; BTNL11; MOGIG2; NRCLP7; Myelin oligodendrocyte glycoprotein

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

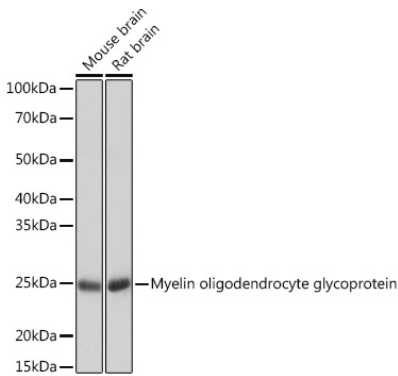
Affinity purification

Storage

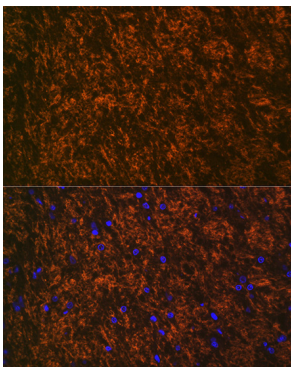
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

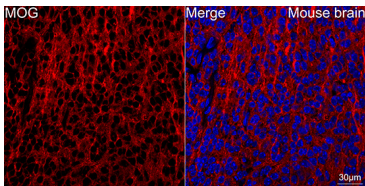
Validation Data



Western blot analysis of various lysates using Myelin oligodendrocyte glycoprotein Rabbit mAb (A3992) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



Immunofluorescence analysis of paraffin-embedded rat brain using Myelin oligodendrocyte glycoprotein Rabbit mAb (A3992) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Confocal imaging of frozen sections of Mouse brain using Myelin oligodendrocyte glycoprotein Rabbit mAb (A3992, dilution 1:100) followed by incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.