ARG41772
anti-MOG / Myelin oligodendrocyte glycoprotein antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MOG / Myelin oligodendrocyte glycoprotein
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MOG / Myelin oligodendrocyte glycoprotein
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human MOG / Myelin oligodendrocyte glycoprotein. (RVVHLYRNGKDQDGDQAPEYRGRTELLKDAIGEGK)
Conjugation	Un-conjugated
Alternate Names	BTNL11; BTN6; NRCLP7; MOGIG2; Myelin-oligodendrocyte glycoprotein

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
IHC-P	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 26 kDa

Properties

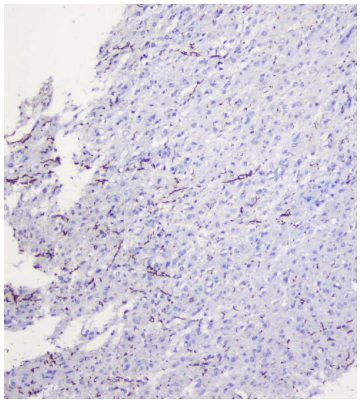
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

	freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

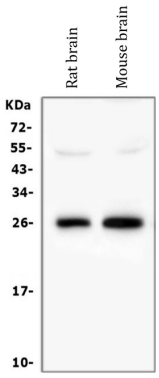
Gene Symbol	MOG
Gene Full Name	myelin oligodendrocyte glycoprotein
Background	The product of this gene is a membrane protein expressed on the oligodendrocyte cell surface and the outermost surface of myelin sheaths. Due to this localization, it is a primary target antigen involved in immune-mediated 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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	28 kDa
Cellular Localization	Isoform 1 and 5: Cell membrane; Multi-pass membrane protein. Isoform 2, 3, 4, 6, 7, 8 and 9: Cell membrane; Single-pass type I membrane protein. [UniProt]

Images



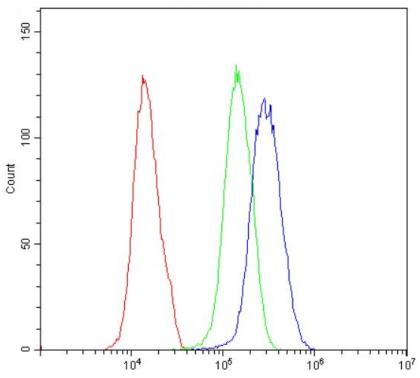
ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human glioma tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody at 1 µg/ml dilution, overnight at 4°C.



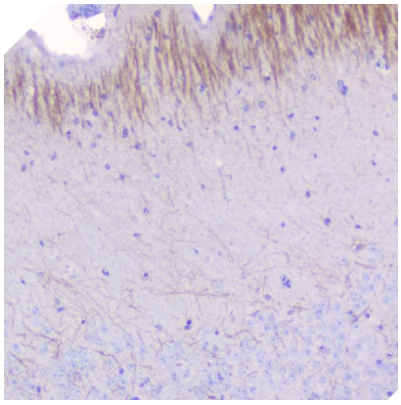
ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat brain and Mouse brain lysates stained with ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody at 0.5 µg/ml dilution, overnight at 4°C.



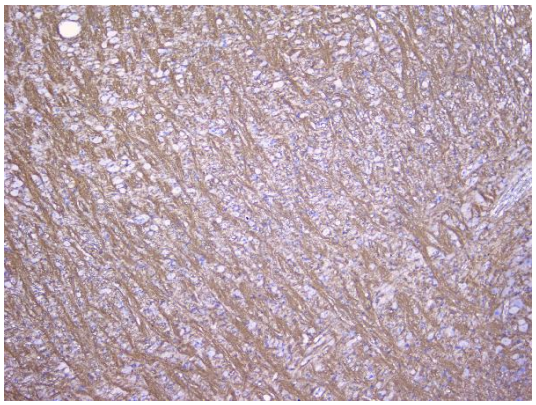
ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody FACS image

Flow Cytometry: U251 cells were blocked with 10% normal goat serum and then stained with ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



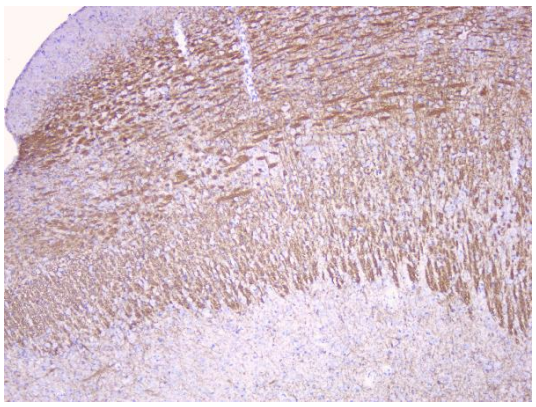
ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody at 1 µg/ml dilution, overnight at 4°C.



ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody at 1 µg/ml dilution, overnight at 4°C.



ARG41772 anti-MOG / Myelin oligodendrocyte glycoprotein antibody IHC-P image

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