

Mouse anti-Human, Rat Aquaporin 4 (AQP4) Monoclonal Antibody | anti-AQP4 antibody

Monoclonal Antibody to Aquaporin 4 (AQP4)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA21051	Mouse	Human, Rat	Western Blot, Immunohistochemistry

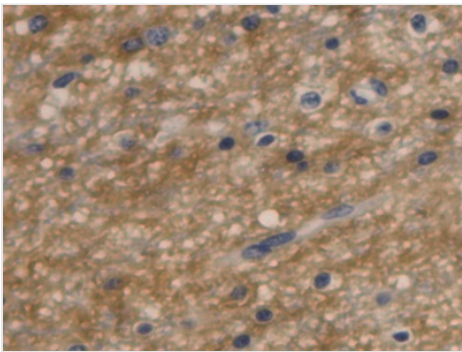
PRODUCT SYNONYMS

Aquaporin 4 (AQP4); Monoclonal Antibody; Monoclonal Antibody to Aquaporin 4 (AQP4); HMIWC2; MIWC; WCH4; Mercurial-insensitive water channel; anti-AQP4 antibody

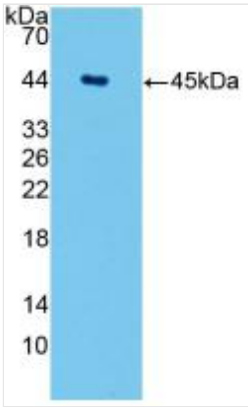
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2a Kappa
Clone Number	C9
Purity/Purification	Purification: Protein A + Protein G affinity chromatography
Form/Format	Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-AQP4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western blotting: 0.1-3ug/mL Immunohistochemistry: 5-30ug/mL Optimal working dilutions must be determined by end user.
Source	Monoclonal antibody preparation
Traits	Liquid
Cross Reactivity	Rat
Immunogen	Recombinant AQP4 (Cys178-Gly317) expressed in E.coli .
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 24 months. Stability Test: thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



IHC (Immunohistochemistry)
DAB staining on IHC-P; Sample: Human Cerebrum Tissue Primary Ab: 20ug/ml Mouse Anti-Human AQP4 Antibody Control: Used PBS instead of primary antibody Second Ab: 2ug/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Immunohistochemistry)



WB (Western Blot)
Western Blot; Sample: Rat Spinal cord lysate Primary Ab: 3ug/ml Mouse Anti-Human AQP4 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Western Blot)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502181
NCBI GeneID	361
NCBI Accession #	NP_001641.1
NCBI GenBank Nucleotide #	NM_001650.6
UniProt Accession #	P55087; P78564
NCBI Official Full Name	aquaporin-4 isoform M1
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	AQP4
NCBI Official Synonym Symbols	MIWC; WCH4
NCBI Protein Information	aquaporin-4
UniProt Protein Name	Aquaporin-4
UniProt Gene Name	AQP4
UniProt Synonym Gene Names	AQP-4; MIWC

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/monoclonal/aquaporin-4-aqp4-antibody-clone-c9-western-blot-immunohistochemistry-elisa/21051>