

Mouse Aquaporin 4 Monoclonal Antibody | anti-AQP4 antibody

Aquaporin 4 Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA300802	Mouse	Human, Rat, Mouse	Immunohistochemistry, Immunofluorescence, Western Blot

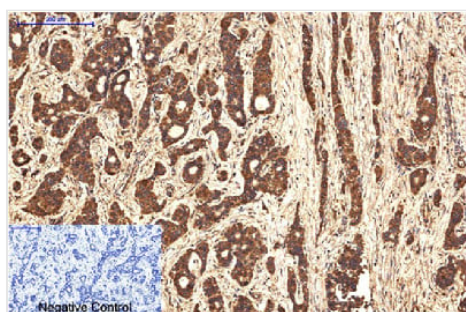
PRODUCT SYNONYMS

Aquaporin 4; Monoclonal Antibody; Aquaporin 4 Mouse Monoclonal Antibody; AQP-4; AQP4; aquaporin 4; aquaporin type4; Aquaporin-4; HMIWC2; anti-AQP4 antibody

PRODUCT SPECIFICATIONS

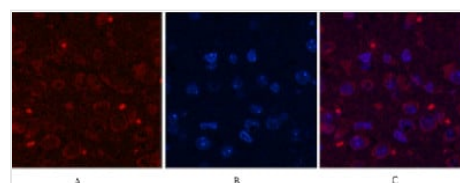
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Specificity	The Aquaporin 4 Mouse Monoclonal antibody detects endogenous Aquaporin 4 proteins.
Purity/Purification	Affinity purification using immunogen.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	323
Applicable Applications for anti-AQP4 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Target Name	Aquaporin 4
Preparation and Storage	Store at -20°C

IMAGES



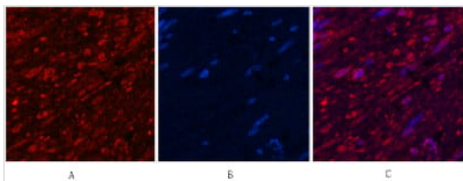
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. 1, Aquaporin 4 Monoclonal Antibody(4H1) was diluted at 1:200(4°C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



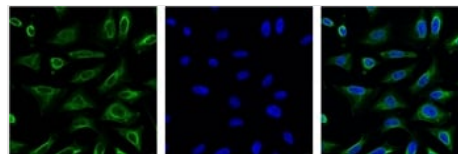
IF (Immunofluorescence)

Immunofluorescence analysis of Mouse-brain tissue. 1, Aquaporin 4 Monoclonal Antibody(4H1)(red) was diluted at 1:200(4°C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



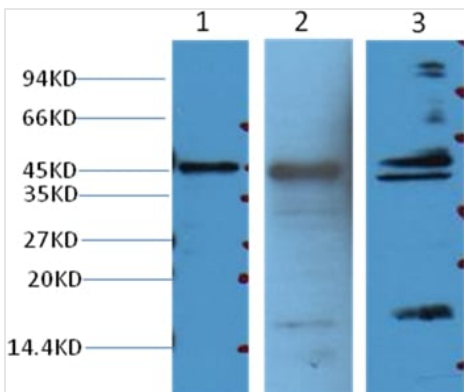
IF (Immunofluorescence)

Immunofluorescence analysis of Human-appendix tissue. 1, Aquaporin 4 Monoclonal Antibody(4H1)(red) was diluted at 1:200(4C, overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min). 3, Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



IF (Immunofluorescence)

IF analysis of Hela with (Left) and DAPI (Right) diluted at 1:100.



WB (Western Blot)

Western blot analysis of 1) Hela, 2) Mouse Heart tissue, 3) Rat Heart Tissue, using diluted at 1:2,000

ADDITIONAL INFORMATION

Related Product Information for anti-AQP4 antibody	Aquaporin 4 belongs to the Aquaporin family of integral membrane proteins that conduct water through the cell membrane.
Product Categories/Family for anti-AQP4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502181
NCBI GeneID	361
NCBI Accession #	NP_001641.1
NCBI GenBank Nucleotide #	NM_001650.4
UniProt Accession #	P55087; P78564
Molecular Weight	SDS-PAGE MW: 26kd
NCBI Official Full Name	aquaporin-4 isoform a
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	AQP4
NCBI Official Synonym Symbols	MIWC; HMIWC2
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/aquaporin-4-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/300802>