

Mouse AQP1 Monoclonal Antibody | anti-AQP1 antibody

AQP1 antibody

CATALOG # AAA74775	HOST Mouse	APPLICATIONS Western Blot, Flow Cytometry, Functional Assay
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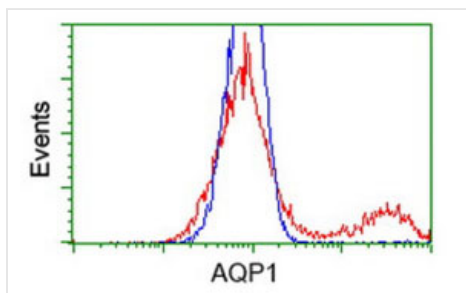
PRODUCT SYNONYMS

AQP1; Monoclonal Antibody; AQP1 antibody; Monoclonal AQP1; Anti-AQP1; AQP-1; AQP 1; Aquaporin 1; CHIP28; Colton blood group; Urine water channel; CO₂ AQP-CHIP; anti-AQP1 antibody

PRODUCT SPECIFICATIONS

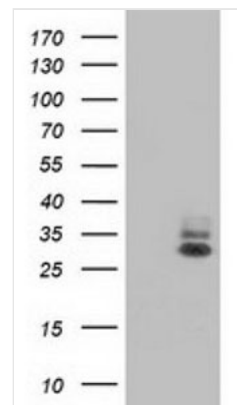
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1F3
Purity/Purification	Affinity purified
Form/Format	Supplied as a liquid in PBS, pH 7.3, with 1% BSA, 50% Glycerol, and 0.02% NaN ₃ .
Concentration	0.7mg/ml (varies by lot)
Sequence Length	269
Applicable Applications for anti-AQP1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Cross-Reactivity	Human
Immunogen	Full length human recombinant protein of human AQP1 produced in HEK293T cell.
Preparation and Storage	Short term: 4°C Long term: -20°C

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant AQP1 protein (red) or empty vector (blue) stained using AQP1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant AQP1 protein (Right) or empty vector (Left) detected with AQP1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-AQP1 antibody	Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). this gene encodes an aquaporin which functions as a molecular water channel protein. It is a homotetramer with 6 bilayerspanning domains and N-glycosylation sites. The protein physically resembles channel proteins and is abundant in erythrocytes and renal tubules. The gene encoding this aquaporin is a possible candidate for disorders involving imbalance in ocular fluid movement.
Product Categories/Family for anti-AQP1 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	37694062
NCBI GeneID	358
NCBI Accession #	NP_932766
NCBI GenBank Nucleotide #	NM_198098.2
UniProt Accession #	P29972; Q8TBI5; Q8TDC1; B5BU39; E7EM69; E9PC21; F5GY19
NCBI Official Full Name	aquaporin-1 isoform 1
NCBI Official Synonym Full Names	aquaporin 1 (Colton blood group)
NCBI Official Symbol	AQP1
NCBI Official Synonym Symbols	CO; CHIP28; AQP-CHIP
NCBI Protein Information	aquaporin-1
UniProt Protein Name	Aquaporin-1
UniProt Gene Name	AQP1
UniProt Synonym Gene Names	CHIP28; AQP-1
UniProt Entry Name	AQP1_HUMAN

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/aqp1-antibody-clone-1f3-western-blot-flow-cytometry-elisa/74775>