

Rabbit AQP1 Polyclonal Antibody | anti-AQP1 antibody

AQP1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283894	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	ELISA, Western Blot

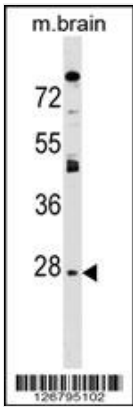
PRODUCT SYNONYMS

AQP1; Polyclonal Antibody; AQP1 Antibody (C-term); Aquaporin-1; AQP-1; Aquaporin-CHIP; Urine water channel; Water channel protein for red blood cells and kidney proximal tubule; CHIP28; anti-AQP1 antibody

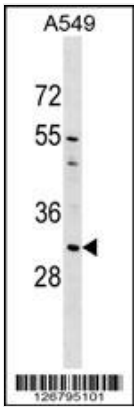
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This AQP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-269 amino acids from the C-terminal region of human AQP1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	241-269
Sequence Length	154
Applicable Applications for anti-AQP1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
AQP1 Antibody (C-term) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the AQP1 antibody detected the AQP1 protein (arrow).



WB (Western Blot)
AQP1 Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the AQP1 antibody detected the AQP1 protein (arrow).

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 bilayer spanning domains and N-glycosylation sites. The protein physically resembles channel proteins and is abundant in erythrocytes and renal tubes. The gene encoding this aquaporin is a possible candidate for disorders involving imbalance in ocular fluid movement. Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-AQP1 antibody	Metabolism; Signal Transduction
References	Chen, L.M., et al. Am. J. Physiol. Regul. Integr. Comp. Physiol. 299 (5), R1163-R1174 (2010) : Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Shankardas, J., et al. Mol. Vis. 16, 1538-1548 (2010) : Halverson, G.R., et al. Immunohematology 26(1):22-26(2010) Sui, H., et al. Nature 414(6866):872-878(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	297307116
NCBI GeneID	358
NCBI Accession #	NP_001171989.1; NP_001171990.1; NP_001171991.1; NP_932766.1
NCBI GenBank Nucleotide #	NM_001185060.1
UniProt Accession #	P29972; Q8TBI5; Q8TDC1; B5BU39; E7EM69; E9PC21; F5GY19
Molecular Weight	28526
NCBI Official Full Name	aquaporin-1 isoform 2
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://www.aaabiotech.com/polyclonal/aqp1-antibody-western-blot-elisa/283894>