

Rabbit Aquaporin-1 Polyclonal Antibody | anti-AQP1 antibody

Rabbit anti-human Aquaporin-1 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA117808	Rabbit	Human, Mouse, Rat	Immunoprecipitation, Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

Aquaporin-1; Polyclonal Antibody; Rabbit anti-human Aquaporin-1 polyclonal Antibody; Aquaporin-CHIP; Urine water channel; Water channel protein for red blood cells and kidney proximal tubule; AQP1; CHIP28; anti-AQP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	186
Applicable Applications for anti-AQP1 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen	Recombinant Human Aquaporin-1 protein (220-269AA)
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Species	Human
Research Area	Signal Transduction
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-9878 / sc-9879 / sc-34008 / sc-34009 / sc-20810
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA117808 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IP (Immunoprecipitation)

Immunoprecipitating AQP1 in Mouse skeletal muscle tissue Lane 1: Rabbit control IgG instead of AAA117808 in Mouse skeletal muscle tissue. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA117808 (8ug) + Mouse skeletal muscle tissue (500ug) Lane 3: Mouse skeletal muscle tissue (10ug)



WB (Western Blot)

Western blotAll lanes: AQP1 antibody at 16ug/mlLane 1: Rat heart tissueLane 2: Mouse skeletal muscle tissueLane 3: A549 whole cell lysateLane 4: 293T whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 29,20,24,17 kDaObserved band size: 29 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-AQP1 antibody	Forms a water-specific channel that provides the plasma membranes of red cells and kidney proximal tubules with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	297307116
NCBI GeneID	358
NCBI Accession #	NP_001171989.1
NCBI GenBank Nucleotide #	NM_001185060.1
UniProt Accession #	P29972; Q8TBI5; Q8TDC1; B5BU39; E7EM69; E9PC21; F5GY19
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/aquaporin-1-antibody-immunoprecipitation-immunofluorescence-western-blot-elisa/117808>