

Rabbit Aqp2 Polyclonal Antibody | anti-AQP2 antibody

Aqp2 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199419	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, Sheep	Immunofluorescence, Western Blot

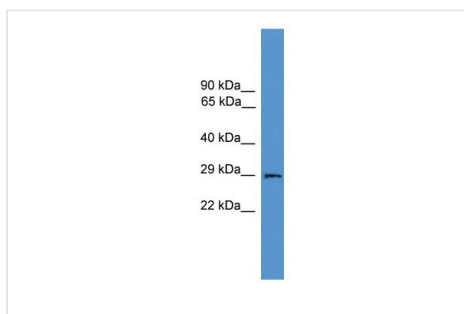
PRODUCT SYNONYMS

Aqp2; Polyclonal Antibody; Aqp2 antibody - middle region; anti-AQP2 antibody

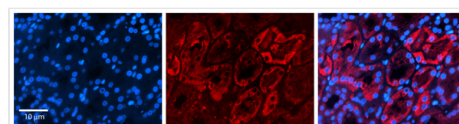
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AL SIGFSVTLGH LLGIYFTGCS MNPASRLAPA VVTGKFDDHW VFWIGPLV
Sequence Length	271
Applicable Applications for anti-AQP2 antibody	IF (Immunofluorescence), WB (Western Blot)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 100%; Rat: 100%; Sheep: 93%
Immunogen	The immunogen is a synthetic peptide corresponding to a region of Mouse
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

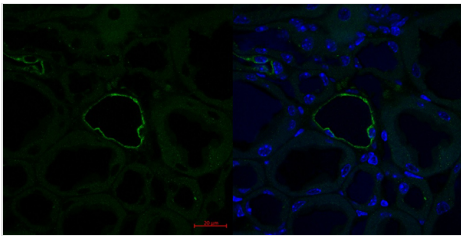


WB (Western Blot)

WB Suggested Anti-Aqp2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Mouse Heart


IHC (Immunohistochemistry)

Rabbit Anti-AQP2 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Kidney
Tissue Observed Staining: Cytoplasm
Primary Antibody Concentration: 1:100
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec



IF (Immunofluorescence)
Mouse kidney

ADDITIONAL INFORMATION

Related Product Information for anti-AQP2 antibody	This is a rabbit polyclonal antibody against Aqp2. It was validated on Western Blot Target Description: Aqp2 forms a water-specific channel that provides the plasma membranes of renal collecting duct with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.
Product Categories/Family for anti-AQP2 antibody	Polyclonal; Ion Channel; Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	160415209
NCBI GeneID	11827
NCBI Accession #	NP_033829
NCBI GenBank Nucleotide #	NM_009699
UniProt Accession #	P56402
Molecular Weight	29kDa
NCBI Official Full Name	aquaporin-2
NCBI Official Synonym Full Names	aquaporin 2
NCBI Official Symbol	Aqp2
NCBI Official Synonym Symbols	cph; jpk; AQP-CD; WCH-CD
NCBI Protein Information	aquaporin-2
UniProt Protein Name	Aquaporin-2
UniProt Gene Name	Aqp2
UniProt Synonym Gene Names	AQP-2; AQP-CD
UniProt Entry Name	AQP2_MOUSE

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/aqp2-antibody-immunofluorescence-western-blot-elisa/199419>