

Rabbit AQP2 Polyclonal Antibody | anti-AQP2 antibody

AQP2 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30636	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

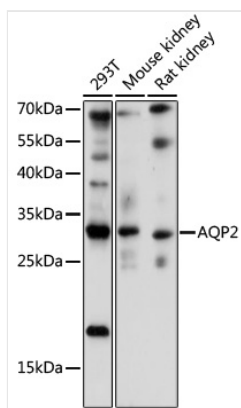
PRODUCT SYNONYMS

AQP2; Polyclonal Antibody; AQP2 Rabbit Polyclonal Antibody; AQP-CD; WCH-CD; anti-AQP2 antibody

PRODUCT SPECIFICATIONS

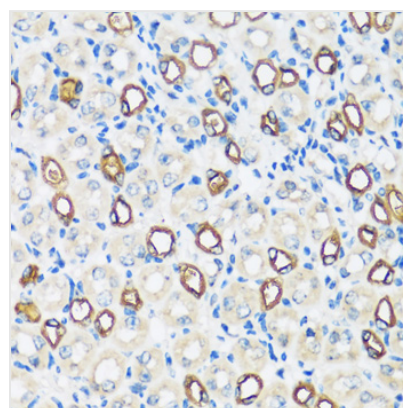
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-AQP2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:200
Immunogen	Recombinant fusion protein of human AQP2 (NP_000477.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



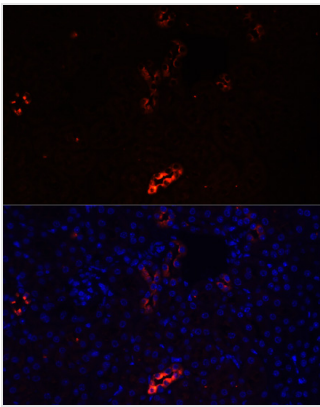
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using AQP2 at 1:1000 dilution.



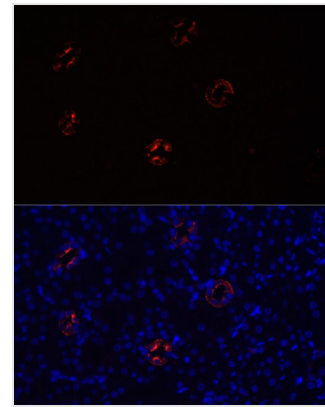
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using AQP2 at dilution of 1:100 (40x lens).



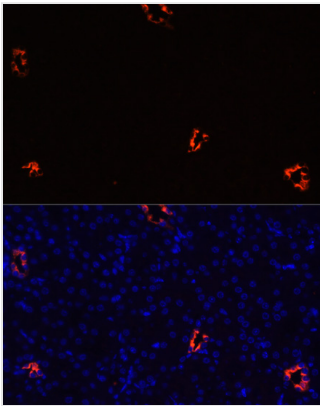
IF (Immunofluorescence)

Immunofluorescence analysis of mouse kidney cells using AQP2 at dilution of 1:100. Blue: DAPI for nuclear staining.



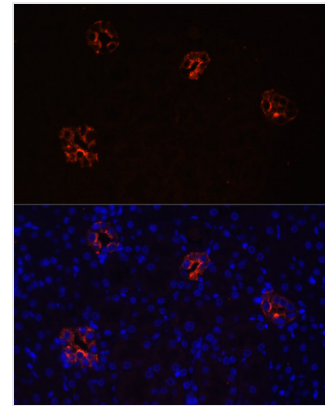
IF (Immunofluorescence)

Immunofluorescence analysis of rat kidney cells using AQP2 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of mouse kidney cells using AQP2 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of rat kidney cells using AQP2 at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-AQP2 antibody	This gene encodes a water channel protein located in the kidney collecting tubule. It belongs to the MIP/aquaporin family, some members of which are clustered together on chromosome 12q13. Mutations in this gene have been linked to autosomal dominant and recessive forms of nephrogenic diabetes insipidus.
Product Categories/Family for anti-AQP2 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502179
NCBI GeneID	359
NCBI Accession #	NP_000477.1
NCBI GenBank Nucleotide #	NM_000486.5
UniProt Accession #	P41181 ; Q9UD68
Molecular Weight	28,837 Da
NCBI Official Full Name	aquaporin-2
NCBI Official Synonym Full Names	aquaporin 2 (collecting duct)
NCBI Official Symbol	AQP2

NCBI Official Synonym Symbols	AQP-CD; WCH-CD
NCBI Protein Information	aquaporin-2; AQP-2; aquaporin-CD; ADH water channel; water-channel aquaporin 2; collecting duct water channel protein; water channel protein for renal collecting duct
UniProt Protein Name	Aquaporin-2
UniProt Gene Name	AQP2
UniProt Synonym Gene Names	AQP-2; AQP-CD
UniProt Entry Name	AQP2_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/polyclonal/aqp2-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/30636>