

Aquaporin 2 Antibody | anti-AQP2 antibody

Aquaporin 2 (Phospho-Ser256) Antibody

CATALOG # AAA112011	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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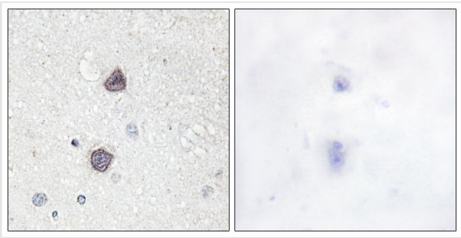
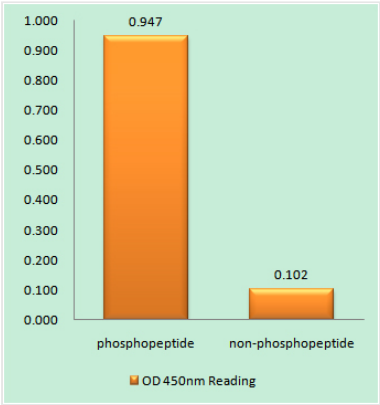
PRODUCT SYNONYMS

Aquaporin 2; Aquaporin 2 (Phospho-Ser256) Antibody; ADH water channel; AQP-CD; Aquaporin-CD; Collecting duct water channel protein; WCH-CD; Water channel protein for renal collecting duct; aquaporin 2; anti-AQP2 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Aquaporin 2 (Phospho-Ser256) antibody detects endogenous levels of Aquaporin 2 only when phosphorylated at serine 256.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	271
Applicable Applications for anti-AQP2 antibody	ELISA, IHC (Immunohistochemistry)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Aquaporin 2 around the phosphorylation site of serine 256 (R-Q-SP-V-E).
All Sites	Human: Ser256 Mouse: Ser256 Rat: Ser256
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using Aquaporin 2 (Phospho-Ser256) antibody. Aquaporin 2 (Phospho-Ser256) antibody reacts with epitope-specific phosphopeptide and corresponding non-phosphopeptide. The absorbance readings at 450 nm are shown in the ELISA figure.

ADDITIONAL INFORMATION

Product Categories/Family for anti-AQP2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Takeaki Inoue, Am J Physiol Renal Physiol, Nov 1998; 275: 752. PM Deen, J. Am. Soc. Nephrol., Oct 1997; 8: 1493. Baoxue Yang, J. Biol. Chem., Jan 2001; 276: 2775-2779.

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
NCBI Official Symbol	AQP2
NCBI Official Synonym Symbols	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

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.