Datasheet for ABIN1385618

anti-AQP2 antibody (AA 101-200)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	AQP2
Binding Specificity:	AA 101-200
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human AQP2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	AQP2
Alternative Name:	AQP2 (AQP2 Products)

Target Details

Background:	Synonyms: ADH water channel, AQP 2, AQP-2, AQP CD, AQP2, AQPCD, Aquaporin 2 collecting duct, Aquaporin CD, Aquaporin2, Aquaporine 2, Collecting duct water channel protein, MGC34501, Water channel protein for renal collecting duct, WCH CD, WCHCD. Background: 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.
Molecular Weight:	30kDa
Gene ID:	84062
UniProt:	P41181
Pathways:	Response to Water Deprivation

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

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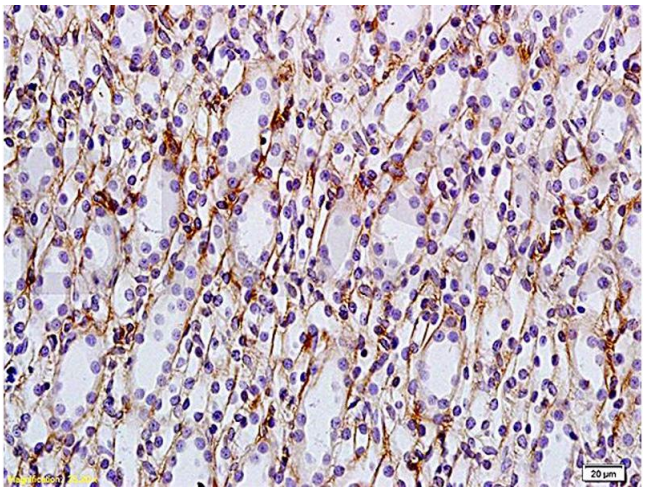
Handling

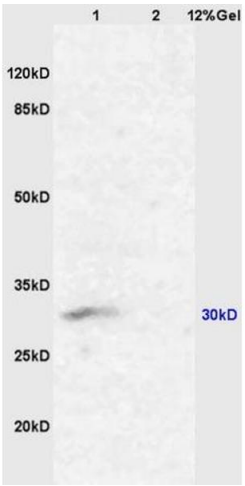
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded: rat kidney tissue labeled with Anti-AQP-2 Polyclonal Antibody, Unconjugated (ABIN1385618) at 1:200, followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 2. L1 mouse kidney lysates L2 mouse lung lysates probed with Anti AQP2 Polyclonal Antibody, Unconjugated (ABIN1385618) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 30kD. Observed band size:30kD.

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