Datasheet for ABIN7300370

anti-AQP2 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	AQP2
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse, Cow, Dog, Sheep, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Aquaporin 2.
Specificity:	Recognizes endogenous levels of Aquaporin 2 protein.
Characteristics:	Rabbit polyclonal antibody to Aquaporin 2
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	AQP2
Alternative Name:	Aquaporin 2 (AQP2 Products)

Target Details

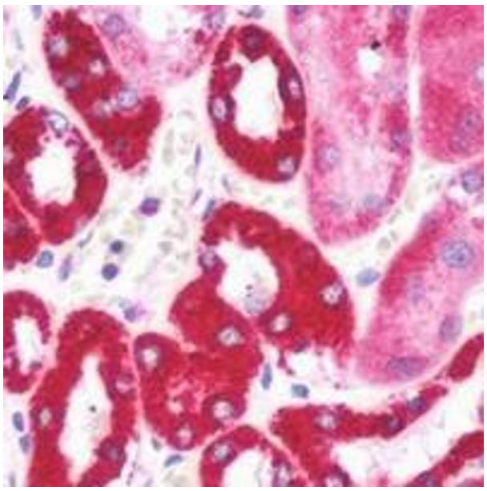
Background:	Aquaporin-2, AQP-2, ADH water channel, Aquaporin-CD, AQP-CD, Collecting duct water channel protein, WCH-CD, Water channel protein for renal collecting duct
Gene ID:	359, 11827, 25386
UniProt:	P41181, P56402, P34080
Pathways:	Response to Water Deprivation

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

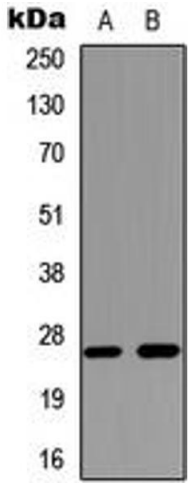
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



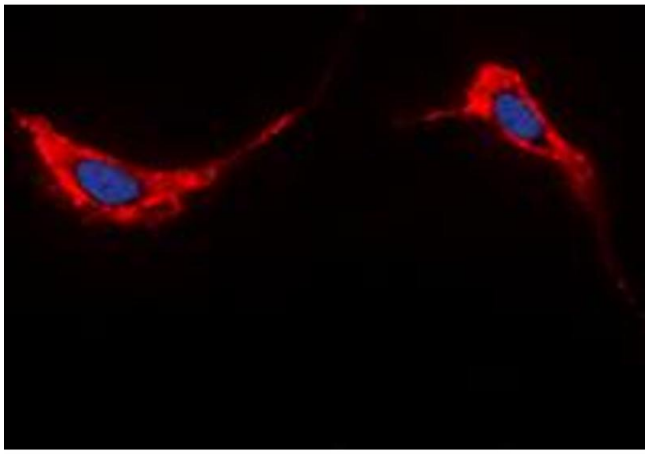
Immunohistochemistry

Image 1. Immunohistochemical analysis of Aquaporin 2 staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugad compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. w



Western Blotting

Image 2. Western blot analysis of Aquaporin 2 expression in human kidney (A), mouse heart (B) whole cell lysates.



Immunofluorescence

Image 3. Immunofluorescent analysis of Aquaporin 2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).