Datasheet for ABIN2784114

anti-Aquaporin 10 antibody (Middle Region)

1 Image

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Overview

Quantity:	100 µL
Target:	Aquaporin 10 (AQP10)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aquaporin 10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human AQP10
Sequence:	VGATVGTATY QLLVALHHPE GPEPAQDLVS AQHKASELET PASAQMLECK
Predicted Reactivity:	Human: 100%, Rat: 82%, Yeast: 82%
Characteristics:	This is a rabbit polyclonal antibody against AQP10. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Aquaporin 10 (AQP10)
Alternative Name:	AQP10 (AQP10 Products)

Target Details

Background:	AQP10 is a member of the aquaglyceroporin family of integral membrane proteins. Members of this family function as water-permeable channels in the epithelia of organs that absorb and excrete water. AQP10 was shown to function as a water-selective channel, and could also permeate neutral solutes such as glycerol and urea. This gene encodes a member of the aquaglyceroporin family of integral membrane proteins. Members of this family function as water-permeable channels in the epithelia of organs that absorb and excrete water. This protein was shown to function as a water-selective channel, and could also permeate neutral solutes such as glycerol and urea. Alias Symbols: AQPA_HUMAN Protein Size: 301
Molecular Weight:	32 kDa
Gene ID:	89872
NCBI Accession:	NM_080429, NP_536354
UniProt:	Q96PS8

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 301 AA
Restrictions:	For Research Use only

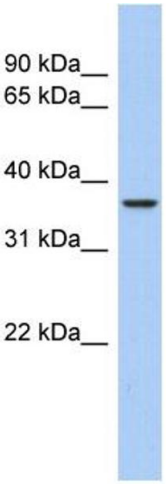
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-AQAntibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human kidney