antibodies

Datasheet for ABIN7144503 anti-Aquaporin 1 antibody (AA 209-301)

2 Images



Overview

Quantity:	100 µg
Target:	Aquaporin 1 (AQP1)
Binding Specificity:	AA 209-301
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aquaporin 1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Aquaporin-10 protein (209-301AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

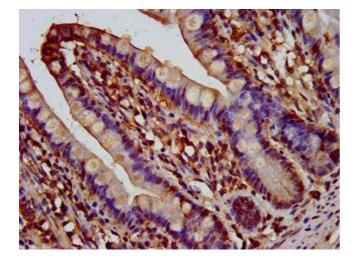
Target Details

Target:	Aquaporin 1 (AQP1)
Alternative Name:	AQP1 (AQP1 Products)
Background:	Background: Water channel required to promote glycerol permeability and water transport
	across cell membranes. May contribute to water transport in the upper portion of small

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Target Details	
	intestine. Isoform 2 is not permeable to urea and glycerol.
	Aliases: AQP 10 antibody, AQP-10 antibody, AQP10 antibody, AQP10_HUMAN antibody, AQPA
	Human antibody, Aquaglyceroporin-10 antibody, Aquaporin 10 antibody, Aquaporin-10 antibody,
	Aquaporin10 antibody, Small intestine aquaporin antibody
UniProt:	Q96PS8
Pathways:	Hormone Transport
Application Details	
Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. IHC image of ABIN7144503 diluted at 1:200 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and

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visualized using an HRP conjugated SP system.

Immunofluorescence

Image 2. Immunofluorescence staining of A549 cells with ABIN7144503 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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