Datasheet for ABIN656235

anti-Aquaporin 5 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	Aquaporin 5 (AQP5)
Binding Specificity:	AA 227-256, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aquaporin 5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This AQP5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 227-256 amino acids from the C-terminal region of human AQP5.
Clone:	RB31077
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Aquaporin 5 (AQP5)
Alternative Name:	AQP5 (AQP5 Products)
Background:	Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral

Target Details

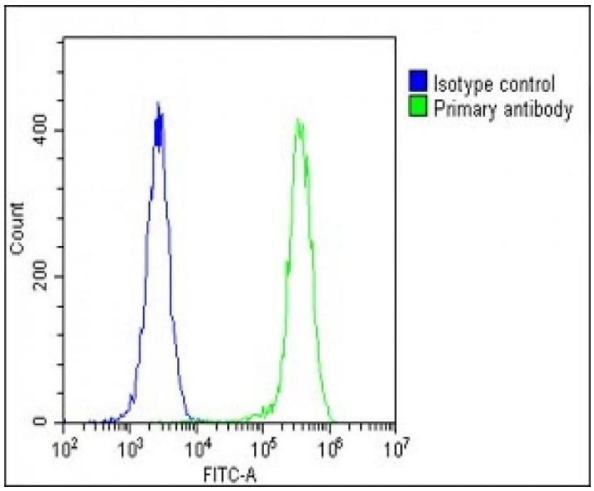
	membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13.
Molecular Weight:	28292
Gene ID:	362
NCBI Accession:	NP_001642
UniProt:	P55064

Application Details

Application Notes:	WB: 1:2000. WB: 1:1000. FC: 1:25
Restrictions:	For Research Use only

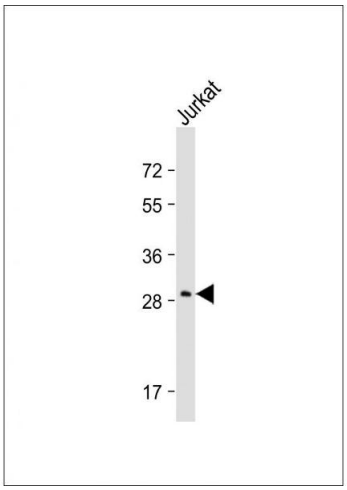
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	AQP5 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



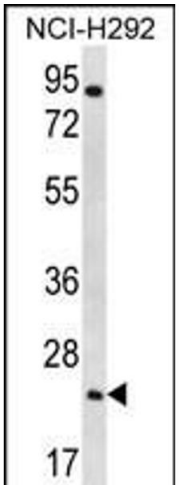
Flow Cytometry

Image 1. Overlay histogram showing U-2 OS cells stained with (ABIN656235 and ABIN2845551) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN656235 and ABIN2845551), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Western Blotting

Image 2. Anti-AQP5 Antibody (C-term) at 1:2000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. AQP5 Antibody (C-term) (ABIN656235 and ABIN2845551) western blot analysis in NCI- cell line lysates (35 µg/lane).This demonstrates the AQP5 antibody detected the AQP5 protein (arrow).