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Datasheet for ABIN3030001

anti-Aquaporin 1 antibody (C-Term)



Images



Go to Product page

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Background:

Quantity:	100 μg	
Target:	Aquaporin 1 (AQP1)	
Binding Specificity:	C-Term	
Reactivity:	Human, Rat, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Aquaporin 1 antibody is un-conjugated	
Application: Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections)		
	Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))	
Product Details		
Immunogen:	An amino acid sequence from the C-terminus of human Aquaporin 1	
	(EEYDLDADDINSRVEMKPK) was used as the immunogen for this AQP1 antibody.	
Isotype:	IgG	
Purification:	Antigen affinity	
Target Details		
Target:	Aquaporin 1 (AQP1)	
Alternative Name:	AQP1 Aquaporin 1 (AQP1 Products)	

Aquaporin 1 is a 28-kD integral protein though at first to be a breakdown product of the Rh

polypeptide but was later shown to be a unique molecule that is abundant in erythrocytes and

Target Details

renal tubules as well as being expressed by the choroid plexus and various other tissues. It forms a water-specific channel that provides the plasma membranes of red cells and kidney proximal tubules with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.

UniProt:

P29972

Pathways:

Hormone Transport

Application Details

Application Notes:

The stated application concentrations are suggested starting amounts. Titration of the AQP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 μ g/mL,IHC (Paraffin): 0.5-1 μ g/mL,IHC (Frozen): 0.5-1 μ g/mL,FACS: 1-3 μ g/10^6 cells

Restrictions:

For Research Use only

Handling

Buffer:

0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

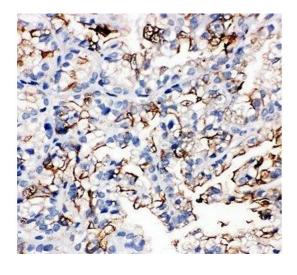
Storage:

-20 °C

Storage Comment:

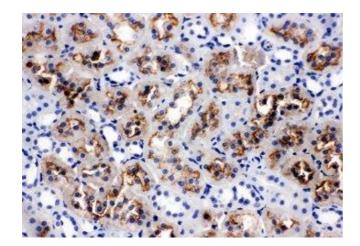
After reconstitution, the AQP1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



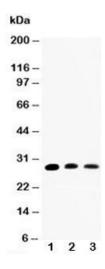
Immunohistochemistry

Image 1. IHC-P: AQP1 antibody testing of human kidney cancer tissue



Immunohistochemistry

Image 2. IHC-P: AQP1 antibody testing of rat kidney tissue



Western Blotting

Image 3. Western blot testing of AQP1 antibody and Lane 1: rat kidney; 2: rat lung; 3: SMMC-7721 cell lysate

Please check the product details page for more images. Overall 7 images are available for ABIN3030001.