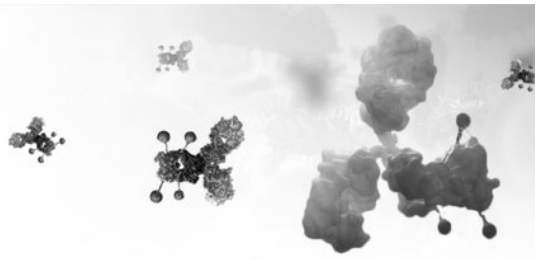

Anti-AQP1 monoclonal antibody, clone 21D22 (DCABH-602)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Aquaporin 1
Antigen Description	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.
Immunogen	Full length recombinant Human Aquaporin 1 produced in HEK293T cells (NP_932766).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	21D22
Purity	Protein G purified
Purification	This antibody is purified from Mouse ascites fluids by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, Flow Cyt
Positive Control	HEK293T cells transfected with pCMV6-ENTRY Aquaporin 1; HEK293T cells transfected with RC205304 overexpressing plasmid.
Format	Liquid
Size	100 µl

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Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 1% BSA, 50% Glycerol
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	AQP1 aquaporin 1 (Colton blood group) [Homo sapiens]
Official Symbol	AQP1
Synonyms	AQP1; aquaporin 1 (Colton blood group); aquaporin 1 (channel forming integral protein, 28kDa) , aquaporin 1 (channel forming integral protein, 28kDa, CO blood group) , CO, Colton blood group; aquaporin-1; CHIP28; aquaporin-CHIP; Colton blood group; urin
Entrez Gene ID	358
Protein Refseq	NP_001171989
UniProt ID	P29972
Chromosome Location	7p14
Pathway	Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Proximal tubule bicarbonate reclamation, organism-specific biosystem; Proximal tubule bicarbonate reclamation, conserved biosystem; Regulation of Water Balance by Renal Aquaporins, organism-specific biosystem;
Function	ammonia transmembrane transporter activity; carbon dioxide transmembrane transporter activity; glycerol transmembrane transporter activity; intracellular cGMP activated cation channel activity; nitric oxide transmembrane transporter activity; potassium ch

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