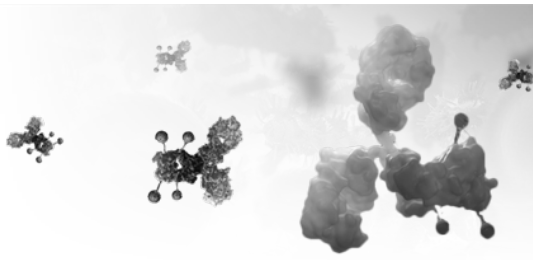

Anti-AQP1 monoclonal antibody, clone 1/A5F6 (CABT-52798MA)

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

PRODUCT INFORMATION

Product Overview	Clone 1/A5F6 recognizes an epitope within the cytoplasmic domain of the water-specific channel aquaporin 1 (also known as AQP1 or CHIP-28). Aquaporin 1 is a 28kD integral membrane protein which was originally identified in red blood cells and the kidney. AQP1 is also expressed by the choroid plexus and various other tissues. The glycosylated forms of AQP1 range between 40-60kD in mass.
Specificity	AQP1
Immunogen	Synthetic peptide corresponding to amino acids 249-269 of aquaporin 1.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse, Rabbit, Rat, Zebrafish
Clone	1/A5F6
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; IHC-P; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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GENE INFORMATION

Gene Name	AQP1 aquaporin 1 (Colton blood group) [Homo sapiens (human)]
Official Symbol	AQP1
Synonyms	AQP1; aquaporin 1 (Colton blood group); CO; CHIP28; AQP-CHIP; aquaporin-1; aquaporin-CHIP; urine water channel; channel-like integral membrane protein, 28-kDa; water channel protein for red blood cells and kidney proximal tubule; aquaporin 1 (channel-form
Entrez Gene ID	358
Protein Refseq	NP_001171989
UniProt ID	P29972
Chromosome Location	7p14
Pathway	Aquaporin-mediated transport; Bile secretion; Erythrocytes take up carbon dioxide and release oxygen; Erythrocytes take up oxygen and release carbon dioxide; Metabolism; O2/CO2 exchange in erythrocytes; Passive transport by Aquaporins; Proximal tubule bicarbonate reclamation;
Function	ammonium transmembrane transporter activity; carbon dioxide transmembrane transporter activity; ephrin receptor binding; glycerol channel activity; glycerol transmembrane transporter activity; intracellular cGMP activated cation channel activity; nitric oxide transmembrane transporter activity; potassium channel activity; potassium ion transmembrane transporter activity; protein binding; transmembrane transporter activity; water channel activity; water transmembrane transporter activity;

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