



Anti-AQP2 monoclonal antibody (DCABH-10574)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a water channel protein located in the kidney collecting tubule. It belongs to the MIP/aquaporin family, some members of which are clustered together on chromosome 12q13. Mutations in this gene have been linked to autosomal dominant and recessive forms of nephrogenic diabetes insipidus.
Immunogen	A synthetic peptide of human AQP2 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	AQP2 aquaporin 2 (collecting duct) [Homo sapiens]
Official Symbol	AQP2

Synonyms	AQP2; aquaporin 2 (collecting duct); aquaporin-2; AQP-2; aquaporin-CD; ADH water channel; water-channel aquaporin 2; collecting duct water channel protein; water channel protein for renal collecting duct; AQP-CD; WCH-CD; MGC34501;
Entrez Gene ID	359
Protein Refseq	NP_000477
UniProt ID	P41181
Chromosome Location	12q12-q13
Pathway	Aquaporin-mediated transport, organism-specific biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Regulation of Water Balance by Renal Aquaporins, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Vasopressin-regulated water reabsorption, organism-specific biosystem; Vasopressin-regulated water reabsorption, conserved biosystem;
Function	PDZ domain binding; actin binding; glycerol transmembrane transporter activity; transporter activity; water channel activity; water transmembrane transporter activity;