



Anti-AQP7 monoclonal antibody (DCABH-10575)

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

PRODUCT INFORMATION

Antigen Description	Aquaporins/major intrinsic protein (MIP) are a family of water-selective membrane channels. Aquaporin 7 has greater sequence similarity with AQP3 and AQP9 and they may be a subfamily. Aquaporin 7 and AQP3 are at the same chromosomal location suggesting that 9p13 may be a site of an aquaporin cluster. Aquaporin 7 facilitates water, glycerol and urea transport. It may play an important role in sperm function.
Immunogen	A synthetic peptide of human AQP7 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 [AQP7 aquaporin 7 \[Homo sapiens \]](#)

Official Symbol	AQP7
Synonyms	AQP7; aquaporin 7; AQP7L; aquaporin-7; AQP9; AQPap; AQP-7; aquaporin adipose; aquaglyceroporin-7; GLYCQTL; MGC149555; MGC149556;
Entrez Gene ID	364
Protein Refseq	NP_001161
UniProt ID	O14520
Chromosome Location	9p13
Pathway	Aquaporin-mediated transport, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem; PPAR signaling pathway, conserved biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of Glycerol from Adipocytes to the Liver by Aquaporins, organism-specific biosystem;
Function	glycerol channel activity; glycerol channel activity; transporter activity; urea channel activity; water channel activity;