Best Tools for immunology Research

AQP10 Polyclonal Antibody

Catalog No :	YN0454
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	AQP10
Gene Name :	AQP10
Protein Name :	Aquaporin-10 (AQP-10) (Aquaglyceroporin-10) (Small intestine aquaporin)
Human Gene Id :	89872
Human Swiss Prot No :	Q96PS8
Immunogen :	Synthesized peptide derived from human protein . at AA range: 230-310
Specificity :	AQP10 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	33kD
Background :	This gene encodes a member of the aquaglyceroporin family of integral membrane proteins. Members of this family function as water-permeable channels in the epithelia of organs that absorb and excrete water. This protein

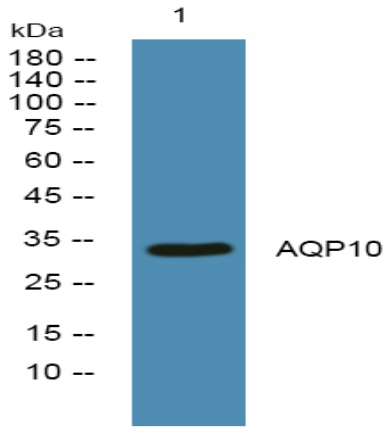
was shown to function as a water-selective channel, and could also permeate neutral solutes such as glycerol and urea. [provided by RefSeq, Jul 2008],

Function : domain:Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).,function:Forms a water channel. Not permeable to urea and glycerol. May contribute to water transport in the upper portion of small intestine.,similarity:Belongs to the MIP/aquaporin (TC 1.A.8) family.,tissue specificity:Expressed exclusively in duodenum and jejunum. Highest expression in absorptive epithelial cells at the tips of villi in the jejunum.,

Subcellular Location : Apical cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Lipid droplet . Detected around lipid droplets. .

Expression : Detected in epithelial cells on villi in the ileum, and also in stomach, jejunum, colon, rectum, white adipose tissue and placenta (at protein level) (PubMed:15221416, PubMed:23382902). Expressed in duodenum and jejunum. Highest expression in absorptive epithelial cells at the tips of villi in the jejunum (PubMed:11573934, PubMed:12084581). Detected in subcutaneous adipose tissue (PubMed:23382902).

Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°over night