

AQP10 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9576b**Specification**

AQP10 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96PS8](#)**AQP10 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 89872**Other Names**

Aquaporin-10, AQP-10, Aquaglyceroporin-10, Small intestine aquaporin, AQP10

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AQP10 Antibody (C-term) Blocking Peptide - Protein Information**Name** AQP10**Function**

[Isoform 1]: Water channel that mediates water transport across cell membranes irrespective of the cytosolic pH (PubMed:12084581, PubMed:21733844, PubMed:23382902, PubMed:30420639). The channel is permeable to glycerol, especially when the cytosolic pH is acidified (PubMed:21733844, PubMed:30420639). Contributes to adipocyte water and glycerol permeability, and may thereby contribute to the utilization of glycerol derived from phospholipid degradation (PubMed:23382902). May contribute to water transport in the intestine (Probable).

Cellular Location

Apical cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Lipid droplet. Note=Detected around lipid droplets

Tissue Location

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).

AQP10 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

AQP10 Antibody (C-term) Blocking Peptide - Images

AQP10 Antibody (C-term) Blocking Peptide - Background

AQP10 is 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.

AQP10 Antibody (C-term) Blocking Peptide - References

??hapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009)??uke, M.M., et al. Stroke 40(2):363-368(2009)??ohly, H.H., et al. Int J Environ Res Public Health 5(2):115-119(2008)??hiffman, D., et al. Arterioscler. Thromb. Vasc. Biol. 28(1):173-179(2008)??lach, C.F., et al. FEBS Lett. 581(17):3183-3188(2007)