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TJP2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17049b

Specification

TJP2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9UDY2

TJP2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9414

Other Names
Tight junction protein ZO-2, Tight junction protein 2, Zona occludens protein 2, Zonula occludens protein 2, TJP2, X104, ZO2

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.

TJP2 Antibody (C-term) Blocking Peptide - Protein Information

Name TJP2

Synonyms X104, ZO2

Function
Plays a role in tight junctions and adherens junctions (By similarity). Acts as a positive regulator of RANKL-induced osteoclast differentiation, potentially via mediating downstream transcriptional activity (By similarity).

Cellular Location
Cell junction, adherens junction. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell junction, tight junction {ECO:0000250|UniProtKB:Q9Z0U1}. Nucleus. Note=Also nuclear under environmental stress conditions and in migratory endothelial cells and subconfluent epithelial cell cultures

Tissue Location
This protein is found in epithelial cell junctions. Isoform A1 is abundant in the heart and brain. Detected in brain and skeletal muscle. It is present almost exclusively in normal tissues Isoform C1 is expressed at high level in the kidney, pancreas, heart and placenta. Not detected in brain and skeletal muscle. Found in normal as well as in most neoplastic tissues

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TJP2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

TJP2 Antibody (C-term) Blocking Peptide - Images

TJP2 Antibody (C-term) Blocking Peptide - Background

This gene encodes a zonula occluden that is a member ofthe membrane-associated guanylate kinase homolog family. Theencoded protein functions as a component of the tight junctionbarrier in epithelial and endothelial cells and is necessary forproper assembly of tight junctions. Mutation in this gene have beenidentified in patients with hypercholanemia. Alternate splicingresults in multiple transcript variants.

TJP2 Antibody (C-term) Blocking Peptide - References

Lechuga, S., et al. Exp. Cell Res. 316(19):3124-3139(2010)Remue, E., et al. FEBS Lett. 584(19):4175-4180(2010)Walsh, T., et al. Am. J. Hum. Genet. 87(1):101-109(2010)Meerschaert, K., et al. Cell. Mol. Life Sci. 66(24):3951-3966(2009)Fanning, A.S., et al. Ann. N. Y. Acad. Sci. 1165, 113-120 (2009) :