10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

POMT1 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP12380b

Specification

POMT1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q9Y6A1

POMT1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 10585

Other Names
Protein O-mannosyl-transferase 1, Dolichyl-phosphate-mannose--protein mannosyltransferase 1, POMT1

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.

POMT1 Antibody (C-term) Blocking peptide - Protein Information

Name POMT1

Function
Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. Coexpression of both POMT1 and POMT2 is necessary for enzyme activity, expression of either POMT1 or POMT2 alone is insufficient (PubMed:12369018, PubMed:14699049, PubMed:28512129). Essentially dedicated to O-mannosylation of alpha- DAG1 and few other proteins but not of cadherins and protocaherins (PubMed:28512129).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location
Widely expressed. Highly expressed in testis, heart and pancreas. Detected at lower levels in kidney, skeletal muscle, brain, placenta, lung and liver

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

POMT1 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

POMT1 Antibody (C-term) Blocking peptide - Images

POMT1 Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene is anO-mannosyltransferase that requires interaction with the product ofthe POMT2 gene for enzymatic function. The encoded protein is foundin the membrane of the endoplasmic reticulum. Defects in this geneare a cause of Walker-Warburg syndrome (WWS) and limb-girdlemuscular dystrophy type 2K (LGMD2K). Several transcript variantsencoding different isoforms have been found for this gene.

POMT1 Antibody (C-term) Blocking peptide - References

Manya, H., et al. J. Biochem. 147(3):337-344(2010)Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Cotarelo, R.P., et al. Clin. Genet. 76(1):108-112(2009)Mercuri, E., et al. Neurology 72(21):1802-1809(2009)Judas, M., et al. Neuropediatrics 40(1):6-14(2009)