

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 protocadherins (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

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 an O-mannosyltransferase that requires interaction with the product of the POMT2 gene for enzymatic function. The encoded protein is found in the membrane of the endoplasmic reticulum. Defects in this gene are a cause of Walker-Warburg syndrome (WWS) and limb-girdle muscular dystrophy type 2K (LGMD2K). Several transcript variants encoding 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)