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POMT2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP17363b

Specification

POMT2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9UKY4

POMT2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 29954

Other Names
Protein O-mannosyl-transferase 2, Dolichyl-phosphate-mannose--protein mannosyltransferase 2, POMT2

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.

POMT2 Antibody (C-term) Blocking Peptide - Protein Information

Name POMT2

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: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
Highly expressed in testis; detected at low levels in most tissues

POMT2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

POMT2 Antibody (C-term) Blocking Peptide - Images

POMT2 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is anO-mannosyltransferase that requires interaction with the product ofthe POMT1 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).

POMT2 Antibody (C-term) Blocking Peptide - References

Manya, H., et al. J. Biochem. 147(3):337-344(2010)Yanagisawa, A., et al. Eur J Med Genet 52(4):201-206(2009)Murakami, T., et al. Brain Dev. 31(6):465-468(2009)Mercuri, E., et al. Neurology 72(21):1802-1809(2009)Messina, S., et al. Neuromuscul. Disord. 18(7):565-571(2008)