

**POMT2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17363b****Specification**

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**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:<a href="http://www.uniprot.org/citations/14699049" target="\_blank">14699049</a>, PubMed:<a href="http://www.uniprot.org/citations/28512129" target="\_blank">28512129</a>). Essentially dedicated to O-mannosylation of alpha-DAG1 and few other proteins but not of cadherins and protocadherins (PubMed:<a href="http://www.uniprot.org/citations/28512129" target="\_blank">28512129</a>).

**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**

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 an O-mannosyltransferase that requires interaction with the product of the POMT1 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).

#### **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)