

Product datasheet for **AP53389PU-N**

POMT1 (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/1000. Flow Cytometry: 1/10-1/50. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 706-735 amino acids from the C-terminal region of Human POMT1
Specificity:	This antibody recognizes Human POMT1 (C-term). Other species not tested.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein O-mannosyltransferase 1
Database Link:	Entrez Gene 10585 Human Q9Y6A1



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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.

Synonyms:

FLJ37239; LGMD2K; RT

Note:

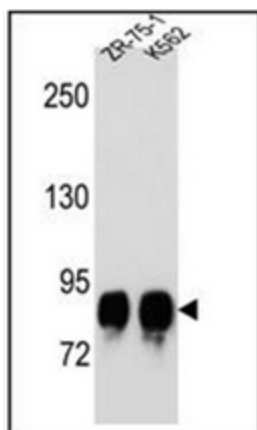
Molecular Weight: 84909 Da

Protein Families:

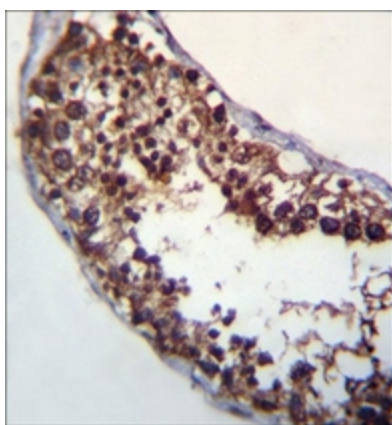
Transmembrane

Protein Pathways:

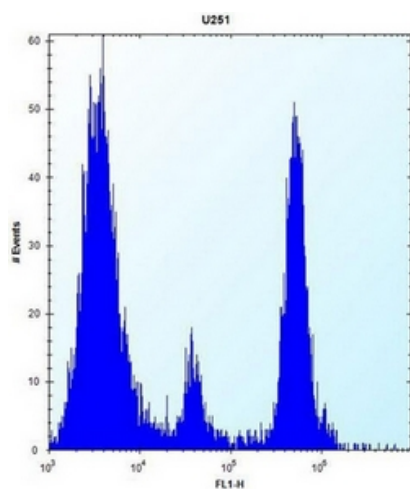
O-Mannosyl glycan biosynthesis

Product images:


Western blot analysis of POMT1 Antibody (C-term) in ZR-75-1, K562 cell line lysates (35ug/lane). This demonstrates the POMT1 antibody detected the POMT1 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue reacted with POMT1 Antibody (C-term), which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of POMT1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Flow cytometric analysis of U251 cells using POMT1 Antibody (C-term) (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.