

## Product datasheet for **TA351547**

### POMT1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human testis tissue IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human POMT1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	85 kDa
Gene Name:	protein O-mannosyltransferase 1
Database Link:	<a href="#">NP_009102</a> <a href="#">Entrez Gene 10585 Human</a> <a href="#">Q9Y6A1</a>

**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.



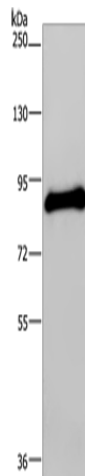
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**Synonyms:** LGMD2K; MDDGA1; MDDGB1; MDDGC1; RT

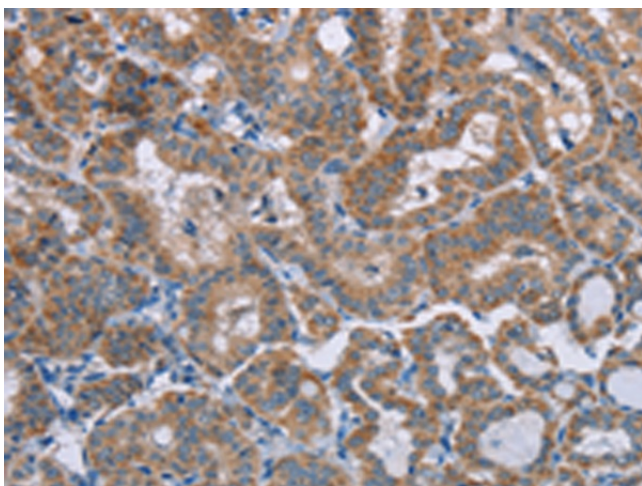
**Protein Families:** Transmembrane

**Protein Pathways:** O-Mannosyl glycan biosynthesis

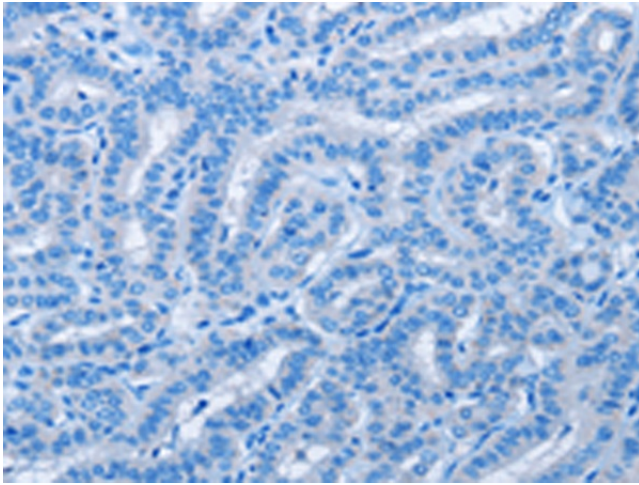
**Product images:**



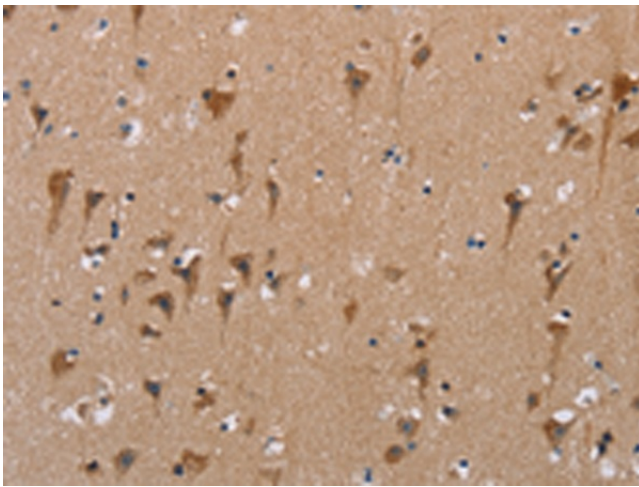
Gel: 6%SDS-PAGE  
Lysate: 40  $\mu$ g  
Lane: Human testis tissue  
Primary antibody: TA351547 (POMT1 Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute



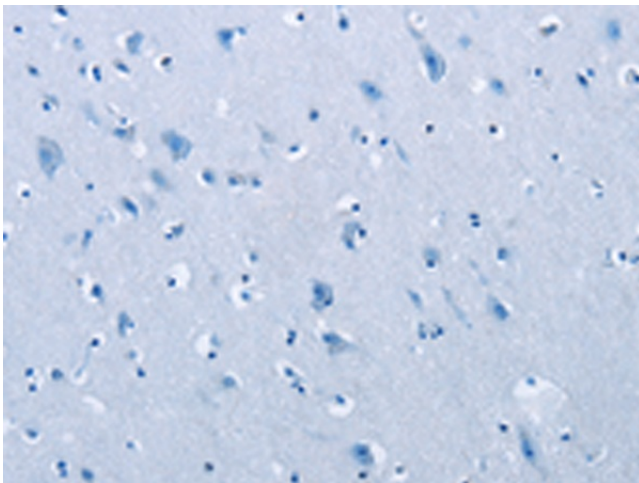
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA351547 (POMT1 Antibody) at dilution 1/50 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA351547 (POMT1 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351547 (POMT1 Antibody) at dilution 1/50 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351547 (POMT1 Antibody) at dilution 1/50, treated with synthetic peptide. (Original magnification: ×200)