

ARG43094 anti-POMT2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes POMT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	POMT2
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human POMT2. (QAARAAGRDVAAEAVARSPKR)
Conjugation	Un-conjugated
Alternate Names	Dolichyl-phosphate-mannose--protein mannosyltransferase 2; EC 2.4.1.109; MDDGB2; LGMD2N; MDDGA2; MDDGC2; Protein O-mannosyl-transferase 2

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 84 kDa	

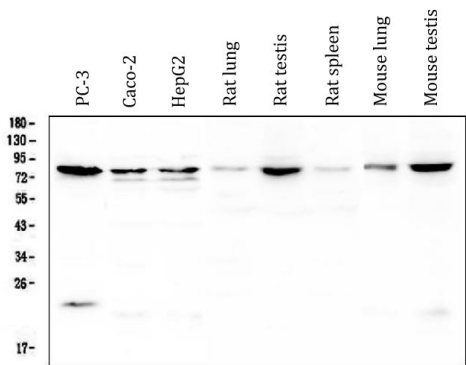
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	POMT2
Gene Full Name	protein-O-mannosyltransferase 2
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). [provided by RefSeq, Oct 2008]
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 protocadherins (PubMed:28512129). [UniProt]
Calculated Mw	84 kDa
PTM	N-glycosylated. [UniProt]
Cellular Localization	Endoplasmic reticulum membrane; Multi-pass membrane protein. [UniProt]

Images



ARG43094 anti-POMT2 antibody WB image

Western blot: 50 µg of sample under reducing conditions. PC-3, Caco-2, HepG2, Rat lung, Rat testis, Rat spleen, Mouse lung and Mouse testis lysates stained with ARG43094 anti-POMT2 antibody at 0.5 µg/ml dilution, overnight at 4°C.