ARG64722
anti-DPM1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DPM1
Tested Reactivity	Rat
Predict Reactivity	Ms
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DPM1
Species	Mouse
Immunogen	PQGRSSRQDKYS-C
Conjugation	Un-conjugated
Alternate Names	Mannose-P-dolichol synthase subunit 1; Dolichol-phosphate mannosyltransferase subunit 1; Dolichyl-phosphate beta-D-mannosyltransferase subunit 1; DPM synthase subunit 1; EC 2.4.1.83; MPD synthase subunit 1; MPDS; CDGIE; Dolichol-phosphate mannose synthase subunit 1

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.3 µg/ml

Application Note: WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

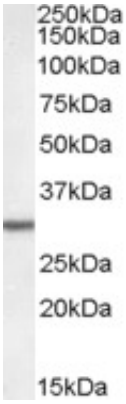
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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	Dpm1
Gene Full Name	dolichol-phosphate (beta-D) mannosyltransferase 1
Background	Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the lumenal side of the endoplasmic reticulum (ER). Lack of Dol-P-Man results in defective surface expression of GPI-anchored proteins. Dol-P-Man is synthesized from GDP-mannose and dolichol-phosphate on the cytosolic side of the ER by the enzyme dolichyl-phosphate mannosyltransferase. Human DPM1 lacks a carboxy-terminal transmembrane domain and signal sequence and is regulated by DPM2. [provided by RefSeq, Jul 2008]
Function	Transfers mannose from GDP-mannose to dolichol monophosphate to form dolichol phosphate mannose (Dol-P-Man) which is the mannosyl donor in pathways leading to N-glycosylation, glycosyl phosphatidylinositol membrane anchoring, and O-mannosylation of proteins; catalytic subunit of the dolichol-phosphate mannose (DPM) synthase complex. [UniProt]
Research Area	Controls and Markers antibody
Calculated Mw	30 kDa

Images



ARG64722 anti-DPM1 antibody WB image

Western blot: Rat Liver lysate (35 µg protein in RIPA buffer) stained with ARG64722 anti-DPM1 antibody at 0.05 µg/ml dilution.