

DPM1 Rabbit Polyclonal Antibody

Catalog No: #55320

Package Size: #55320-1 50ul #55320-2 100ul

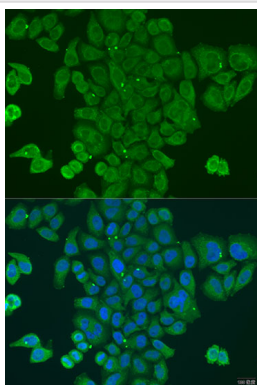
Description

Product Name	DPM1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human DPM1 (NP_003850.1).
Conjugates	Unconjugated
Other Names	DPM1;CDGIE;MPDS
Accession No.	Swiss Prot:O60762GeneID:8813
Calculated MW	29kDa
SDS-PAGE MW	30kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

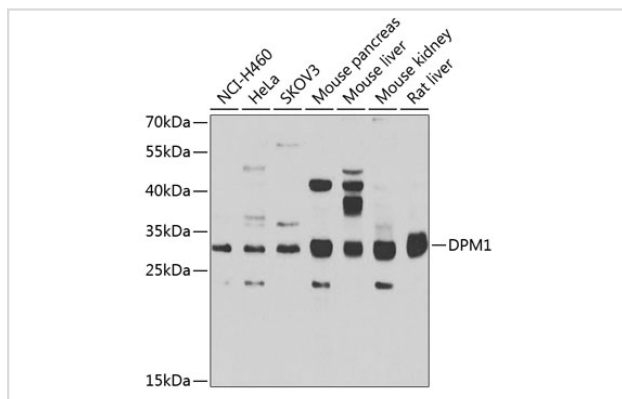
Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

Images



Immunofluorescence analysis of U2OS cells using DPM1 at dilution of 1:100. Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using DPM1 at 1:1000 dilution.

Background

Dolichol-phosphate mannose (Dol-P-Man) serves as a donor of mannosyl residues on the luminal 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. Mutations in this gene are associated with congenital disorder of glycosylation type Ie. Alternative splicing results in multiple transcript variants.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.