Best Tools for immunology Research

POMT2 rabbit pAb

Catalog No :	YT7346
Reactivity :	Human;Mouse
Applications :	WB;IHC
Target :	POMT2
Fields :	>>Other types of O-glycan biosynthesis;>>Mannose type O-glycan biosynthesis;>>Metabolic pathways
Gene Name :	POMT2
Protein Name :	POMT2
Human Gene Id :	29954
Human Swiss Prot No :	Q9UKY4
Mouse Gene Id :	217734
Mouse Swiss Prot No :	Q8BGQ4
Immunogen :	Synthesized peptide derived from human POMT2 AA range: 177-227
Specificity :	This antibody detects endogenous levels of POMT2 at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 83kD

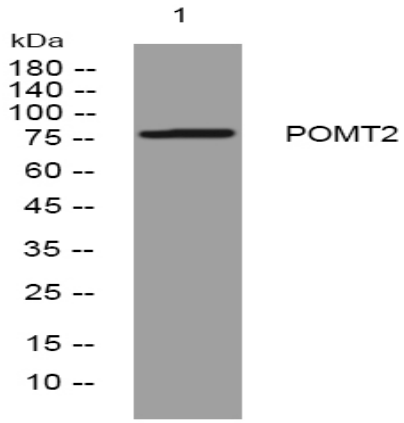
Background : The protein encoded by this gene is an O-mannosyltransferase that requires interaction with the product of the POMT1 gene for enzymatic function. The encoded protein is found in the membrane of the endoplasmic reticulum. Defects in this gene are a cause of Walker-Warburg syndrome (WWS).[provided by RefSeq, Oct 2008],

Function : catalytic activity:Dolichyl phosphate D-mannose + protein = dolichyl phosphate + O-D-mannosylprotein.,cofactor:Magnesium. Manganese and calcium ions suppress enzyme activity.,disease:Defects in POMT2 are a cause of Walker-Warburg syndrome (WWS) [MIM:236670]; also known as hydrocephalus-agyria-retinal dysplasia or HARD syndrome. WWS is an autosomal recessive disorder characterized by cobblestone lissencephaly, hydrocephalus, agyria, retinal displasia, with or without encephalocele. It is often associated with congenital muscular dystrophy and usually lethal within the first few months of life.,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.,online information:GlycoGene database,pathway:Protein modification; protein gl

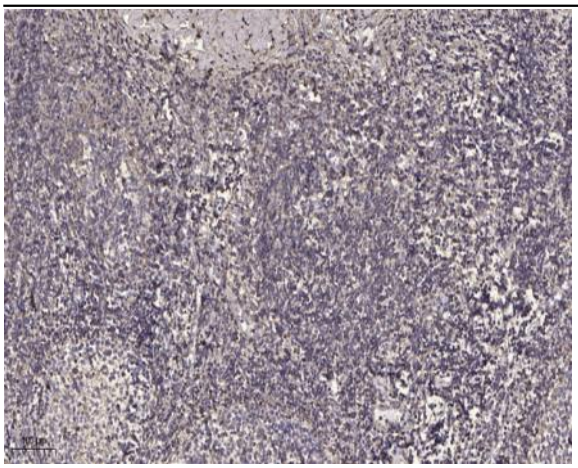
Subcellular Location : Endoplasmic reticulum membrane ; Multi-pass membrane protein .

Expression : Highly expressed in testis; detected at low levels in most tissues.

Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).