



PIGM mouse mAb

Catalog No	YP-mAb-12258
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PIGM
Immunogen	Synthesized peptide derived from human PIGM AA range: 147-197
Specificity	This antibody detects endogenous levels of PIGM at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PIG-M;PIG M;Phosphatidylinositol-glycan biosynthesis class M protein;GPI-MT-I; GPI mannosyltransferase 1;PIGM
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	
Function	disease:Defects in PIGM are the cause of glycosylphosphatidylinositol deficiency (GPID) [MIM:610293]. GPID is an autosomal recessive trait that results in a propensity to venous thrombosis and seizures. Deficiency is due to a point mutation in the regulatory sequences of PIGM that disrupts binding of the transcription factor SP1 to its cognate promoter motif, leading to a strong reduction of expression.,function:Mannosyltransferase involved in glycosylphosphatidylinositol-anchor biosynthesis. Transfers the first alpha-1,4-mannose to GlcN-acyl-PI during GPI precursor assembly.,pathway:Glycolipid biosynthesis; glycosylphosphatidylinositol-anchor biosynthesis.,similarity:Belongs to the PIGM family.,



Background

This gene encodes a transmembrane protein that is located in the endoplasmic reticulum and is involved in GPI-anchor biosynthesis. The glycosylphosphatidylinositol (GPI)-anchor is a glycolipid which contains three mannose molecules in its core backbone. The GPI-anchor is found on many blood cells and serves to anchor proteins to the cell surface. This gene encodes a mannosyltransferase, GPI-MT-I, that transfers the first mannose to GPI on the luminal side of the endoplasmic reticulum. [provided by RefSeq, Jul 2008],

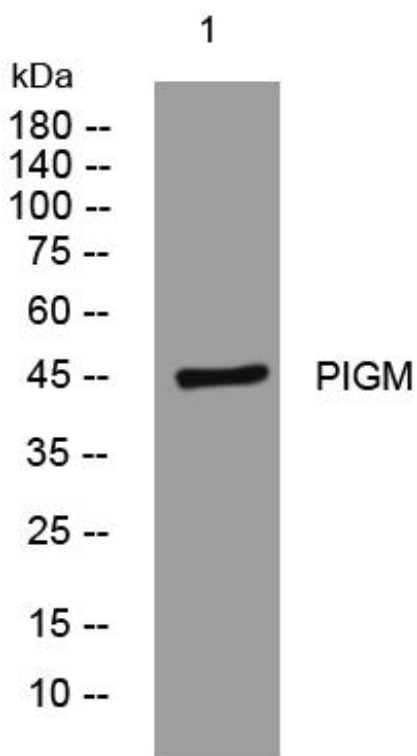
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PIGM mouse mAb