

PIG-Y Polyclonal Antibody

Catalog No :	YT3727
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	PIG-Y
Fields :	>>Glycosylphosphatidylinositol (GPI)-anchor biosynthesis;>>Metabolic pathways
Gene Name :	PIGY
Protein Name :	Phosphatidylinositol N-acetylglucosaminyltransferase subunit Y
Human Gene Id :	84992
Human Swiss Prot No :	Q3MUY2
Mouse Gene Id :	66268
Mouse Swiss Prot No :	P0C1P0
Immunogen :	The antiserum was produced against synthesized peptide derived from human PIGY. AA range:3-52
Specificity :	PIG-Y Polyclonal Antibody detects endogenous levels of PIG-Y protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
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 : 8kD

Cell Pathway : Glycosylphosphatidylinositol(GPI)-anchor biosynthesis;

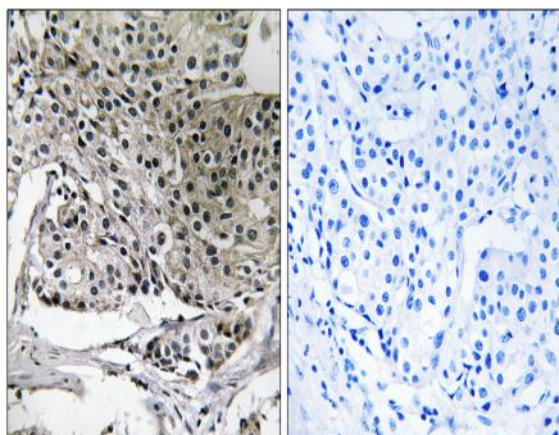
Background : The protein encoded by this gene is part of the GPI-N-acetylglucosaminyltransferase (GPI-GnT) complex which initiates the biosynthesis of glycosylphosphatidylinositol (GPI). GPI is synthesized in the endoplasmic reticulum and serves as an anchor for many surface proteins. Proteins containing GPI anchors can have an important role in cell-cell interactions. The transcript for this gene is bicistronic. The downstream open reading frame encodes this GPI-GnT complex protein, while the upstream open reading frame encodes a protein with unknown function, as represented by GeneID:100996939. [provided by RefSeq, Aug 2012],

Function : function:Component of the GPI-GlcNAc transferase (GPI-GnT) complex in the endoplasmic reticulum, a complex that catalyzes transfer of GlcNAc from UDP-GlcNAc to an acceptor phosphatidylinositol, the first step in the production of GPI-anchors for cell surface proteins. May act by regulating the catalytic subunit PIGA.,miscellaneous:PIGY is derived from the same bicistronic transcript that encodes this protein.,miscellaneous:PREY is derived from the same bicistronic transcript that encodes this protein.,pathway:Glycolipid biosynthesis; glycosylphosphatidylinositol-anchor biosynthesis.,similarity:Belongs to the PREY family.,similarity:Contains 1 TRM112 domain.,subunit:Interacts with the GPI-GnT complex composed of PIGA, PIGC, PIGH, PIGP, PIGQ and DPM2. Interacts directly with PIGA. Does not interact with Ras proteins.,

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

Expression : Ovary,Umbilical cord blood,

Products Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PIGY Antibody. The picture on the right is blocked with the synthesized peptide.