



PIG-Y Polyclonal Antibody

Catalog No	YP-Ab-02755
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	PIGY
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PIG-Y;PIGY;Phosphatidylinositol N-acetylglucosaminyltransferase subunit Y; Phosphatidylinositol-glycan biosynthesis class Y protein
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Ovary,Umbilical cord blood,
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.,



Background

The protein encoded by this gene is part of the GPI-N-acetylglucosaminyltransferase (GIP-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 GenelD:100996939. [provided by RefSeq, Aug 2012],

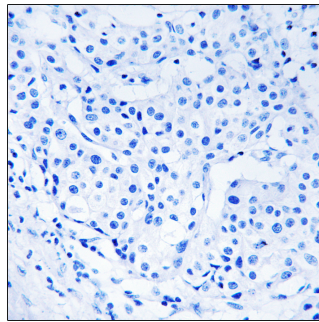
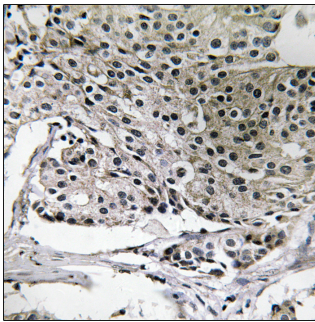
matters needing attention

Avoid repeated freezing and thawing!

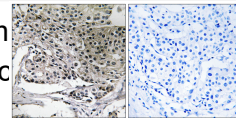
Usage suggestions

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

Products Images



Immunohistochem
human breast carc



raffin-embedded
g PIGY Antibody.

The picture on the right is blocked with the synthesized peptide.