



# PIG-Y Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-02755
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	PIGY
<b>Protein Name</b>	Phosphatidylinositol N-acetylglucosaminyltransferase subunit Y
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PIGY. AA range:3-52
<b>Specificity</b>	PIG-Y Polyclonal Antibody detects endogenous levels of PIG-Y protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	PIGY; Phosphatidylinositol N-acetylglucosaminyltransferase subunit Y; Phosphatidylinositol-glycan biosynthesis class Y protein; PIG-Y
<b>Observed Band</b>	
<b>Cell Pathway</b>	Endoplasmic reticulum membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Ovary,Umbilical cord blood,
<b>Function</b>	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.,
<b>Background</b>	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 GenID:100996939. [provided by RefSeq, Aug 2012],

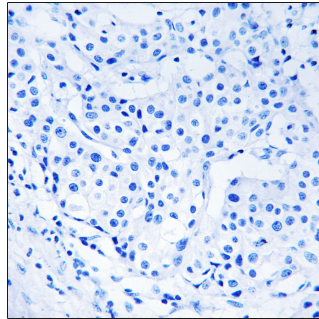
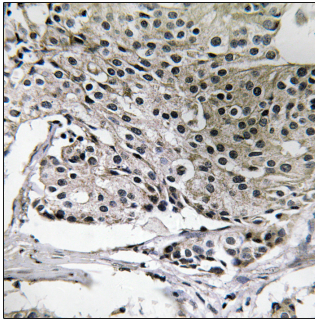
**matters needing attention**

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



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