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## Datasheet for ABIN6991033 **anti-PIGY antibody (AA 50-100)**

### Overview

Quantity:	0.1 mg
Target:	PIGY
Binding Specificity:	AA 50-100
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIGY antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

### Product Details

Immunogen:	PIG-Y antibody was raised against a 16 amino acid synthetic peptide near the center of human PIG-Y. The immunogen is located within amino acids 50 - 100 of PIG-Y.
Isotype:	IgG
Specificity:	This antibody only detects isoform 1 of PIG-Y.
Purification:	PIG-Y Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	PIGY
Alternative Name:	PIG-Y ( <a href="#">PIGY Products</a> )

## Target Details

Background:	PIG-Y Antibody: Glycosylphosphatidylinositol (GPI) lipid anchoring is an important post-translational modification of proteins that takes place in the endoplasmic reticulum. The synthesis of GPI is initiated by GPI-N-acetylglucosaminyltransferase (GPI-GnT), a complex of proteins including PIG-A, PIG-H, PIG-C, GPI1, and DPM2. PIG-Y, the mammalian homolog to yeast Eri1p, is also thought to be involved in the biosynthesis of GPI. The PIG-Y gene encodes two proteins, one of which arises from leaky scanning of the mRNA.
Molecular Weight:	Predicted: 8 kDa  Observed: 16 kDa
Gene ID:	84992
NCBI Accession:	<a href="#">NP_116295</a>
UniProt:	<a href="#">Q3MUY2</a>
Pathways:	<a href="#">Inositol Metabolic Process</a>

## Application Details

Application Notes:	PIG-Y antibody can be used for detection of PIG-Y by Western blot at 1 - 2 µg/mL. Despite its predicted molecular weight, PIG-Y often migrates at 28-30 kDa in SDS-PAGE. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PIG-Y Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

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Storage:	-20 °C, 4 °C
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Storage Comment:	PIG-Y antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
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