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Datasheet for ABIN6991028 anti-PIGY antibody (C-Term)



Overview

Quantity:	0.1 mg
Target:	PIGY
Binding Specificity:	C-Term
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 carboxy terminus of human PIG-Y. The immunogen is located within the last 50 amino acids of PIG-Y.
lsotype:	lgG
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 (PIGY Products)

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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: 9 kDa
Gene ID:	84992
NCBI Accession:	NP_116295
UniProt:	Q3MUY2
Pathways:	Inositol Metabolic Process
Application Details	
Application Notes:	PIG-Y antibody can be used for detection of PIG-Y by Western blot at 5 μ,g/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 μ,g/mL. For immunofluorescence start at 20 μ,g/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.

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Handling	
Storage:	-20 °C,4 °C
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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