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Datasheet for ABIN500497
anti-PIGY antibody (C-Term)

2 Images

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:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	PIG-Y antibody was raised against a 16 amino acid peptide near the carboxy terminus of human PIG-Y.
Isotype:	IgG
Specificity:	This antibody detects PIG-Y at C-term. It only detects isoform 1 of PIG-Y.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse
Purification:	Peptide affinity chromatography

Target Details

Target:	PIGY
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Target Details

Alternative Name: [PIGY \(PIGY Products\)](#)

Background: 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. Despite its predicted molecular weight, PIG-Y often migrates at 28-30 kDa in SDS-PAGE. Synonyms: PIG-Y, Phosphatidylinositol N-acetylglucosaminyltransferase subunit Y, Phosphatidylinositol-glycan biosynthesis class Y protein

Gene ID: 84992

NCBI Accession: [NP_001036081](#)

UniProt: [Q3MUY2](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

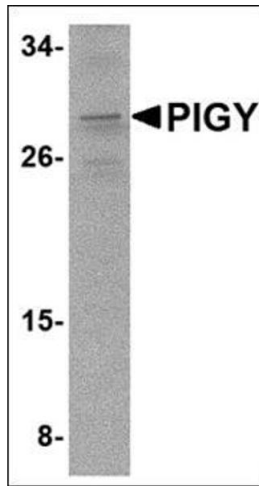
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

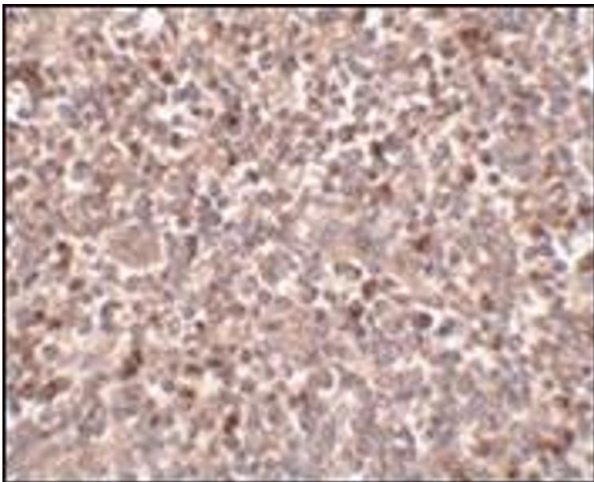
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of PIG-Y in A-20 cell lysate with this product at 2 μ g/ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of PIG-Y in human spleen tissue with this product at 2.5 μ g/ml.