

## Anti-PIG-Y Antibody

Catalog Number: A14537-1

### About PIGY

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.

### Overview

Product Name	Anti-PIG-Y Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-PIG-Y Antibody (Catalog # A14537-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PIG-Y Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PIG-Y antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q3MUY2

### Technical 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.
Predicted Reactive Species	Bovine
Cross Reactivity	This antibody only detects isoform 1 of PIG-Y.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PIG-Y Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

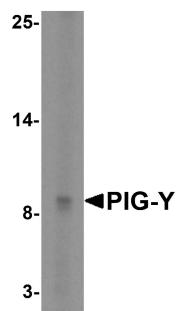
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

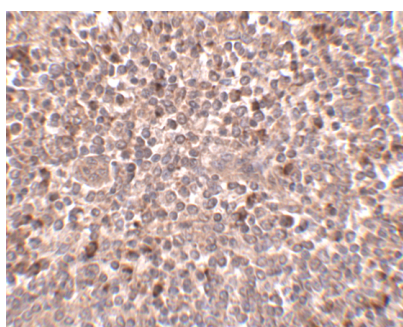
PIG-Y antibody can be used for detection of PIG-Y by Western blot at 5 ug/mL. Despite its predicted molecular weight, PIG-Y often migrates at 28-30 kDa in SDS-PAGE. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

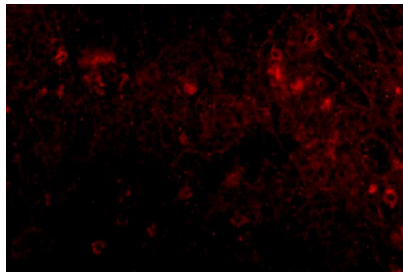
## Anti-PIG-Y Antibody (A14537-1) Images



Western blot analysis of PIG-Y in human skeletal muscle tissue lysate with PIG-Y antibody at 5 ug/mL.



Immunohistochemistry of PIGY in human spleen tissue with PIGY antibody at 2.5 ug/mL.



Immunofluorescence of PIGY in human spleen tissue with PIGY1 antibody at 20 ug/mL.

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