BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

# 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.

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## Overview

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|---|---|
| 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 ≤0.09% sodium azide. |
| Storage Instructions | PIG-Y antibody can be stored at 4°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

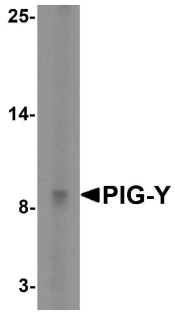
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| Immunogen | PIG-Y antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human PIG-Y. The immunogen is located within the last 50 amino acids of PIG-Y. |
| Predicted Reactive Species | Bovine |
| Cross Reactivity | This antibody only detects isoform 1 of PIG-Y. |

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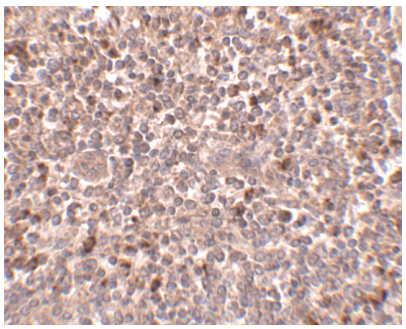
| | |
|---|---|
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Purification | PIG-Y Antibody is affinity chromatography purified via peptide column. |
| Suggested Dilutions | PIG-Y antibody can be used for detection of PIG-Y by Western blot at 5 ug/mL. Despite its predicted molecular 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. |

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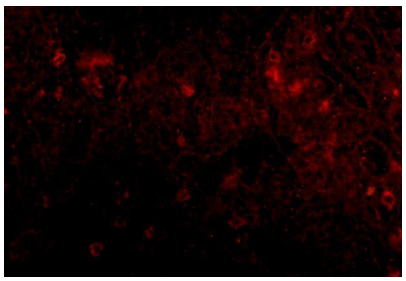
# Anti-PIG-Y Antibody (A14537-1) Images




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.

Anti-PIG-Y Antibody

For Research Use Only. Not for use in diagnostic procedures.