10320 Camino Santa Fe, Suite G
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PIGY Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS13016

Specification

PIGY Antibody (Internal) - Product Information

Application	**IF, IHC**
Primary Accession	Q3MUY2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**8kDa KDa**

PIGY Antibody (Internal) - Additional Information

Gene ID 84992

Other Names
Phosphatidylinositol N-acetylglucosaminyltransferase subunit Y, Phosphatidylinositol-glycan biosynthesis class Y protein, PIG-Y, PIGY

Target/Specificity
The PIG-Y gene encodes two proteins, one of which arises from leaky scanning of the mRNA. This antibody only detects isoform 1 of PIG-Y. Despite its predicted molecular weight, PIG-Y often migrates at 28-30 kD in SDS-PAGE.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
PIGY Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

PIGY Antibody (Internal) - Protein Information

Name PIGY (HGNC:28213)

Function
Part of the glycosylphosphatidylinositol-N- acetylglucosaminyltransferase (GPI-GnT) complex that catalyzes the transfer of N-acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol and participates in the first step of GPI biosynthesis (PubMed:16162815). May act by regulating the catalytic subunit PIGA (PubMed:16162815).

Cellular Location
Endoplasmic reticulum membrane; Multi-pass membrane protein

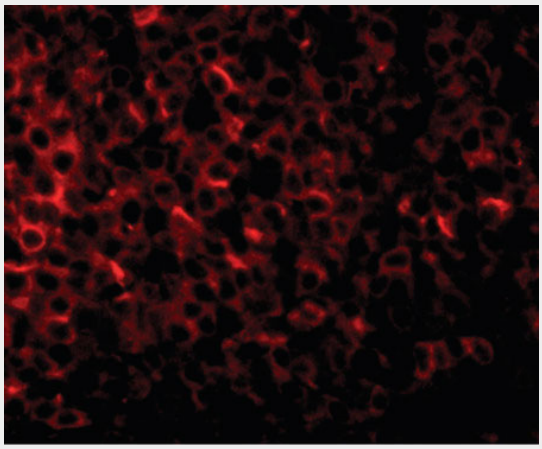
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PIGY Antibody (Internal) - Protocols

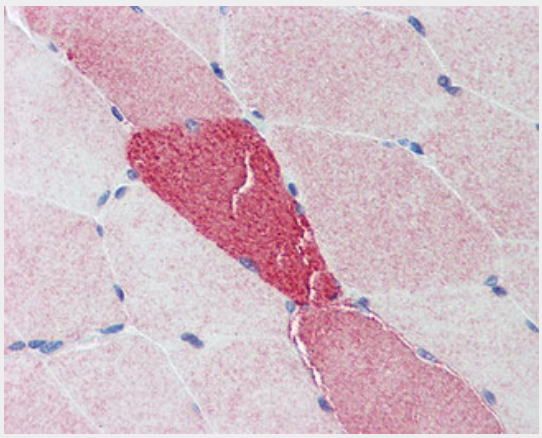
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PIGY Antibody (Internal) - Images

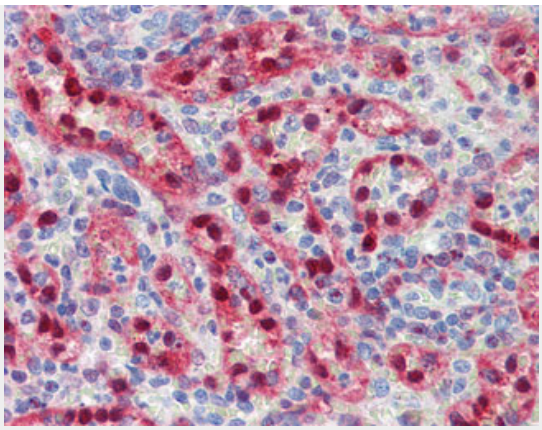


Immunofluorescence of PIGY in human spleen tissue with PIGY1 antibody at 20 ug/ml.



Anti-PIGY antibody IHC of human skeletal muscle.

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Anti-PIGY antibody IHC of human spleen.

PIGY Antibody (Internal) - Background

Component of the GPI-GlcNAc transferase (GPI-GnT) complex in the endoplasmic reticulum, a complex that catalyzes transfer of GlcNAc from UDP-GlcNAc to an acceptor phosphatidylinositol, the first step in the production of GPI- anchors for cell surface proteins. May act by regulating the catalytic subunit PIGA.

PIGY Antibody (Internal) - References

Murakami Y.,et al.Mol. Biol. Cell 16:5236-5246(2005).