

PIGY Polyclonal Antibody

Catalog NumberPA5-20652

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	A 16 amino acid peptide near the center of human PIG-Y.	Immunohistochemistry (IHC)	2.5 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	1-2 µg/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.02% sodium azide		
Storage Conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C		

Product specific information

Despite its predicted molecular weight, PIG-Y often migrates at 28-30kDa in SDS-PAGE. A suggested positive control is human spleen tissue lysate. PA5-20652 can be used with blocking peptide PEP-0772.

Background/Target Information

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.

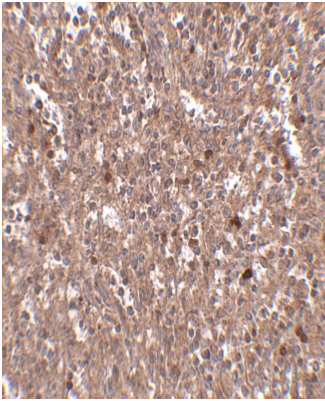
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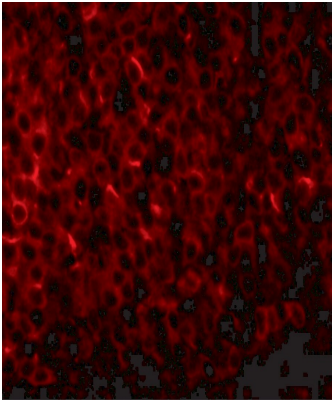
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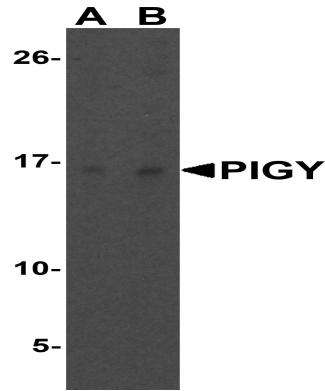
Product Images For PIGY Polyclonal Antibody



**PIGY Antibody (PA5-20652) in IHC**  
Immunohistochemistry of PIG-Y in human spleen tissue with PIGY Polyclonal Antibody (Product # PA5-20652) at 2.5  $\mu$ g/mL.



**PIGY Antibody (PA5-20652) in IHC**  
Immunofluorescence of PIGY in human spleen tissue with PIGY Polyclonal Antibody (Product # PA5-20652) at 20  $\mu$ g/mL.



**PIGY Antibody (PA5-20652) in WB**  
Western Blot analysis of PIG-Y in human liver tissue lysate with PIGY Polyclonal Antibody (Product # PA5-20652) at (A) 1 and (B) 2  $\mu$ g/mL.

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