

Anti-PIGY Antibody

Catalog # AP54046

Product Information

Application	WB, IHC
Primary Accession	Q3MUJ2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	8058

Additional Information

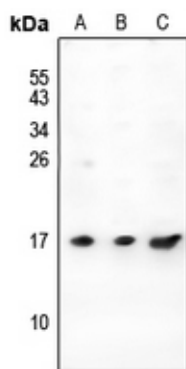
Gene ID	84992
Other Names	Phosphatidylinositol N-acetylglucosaminyltransferase subunit Y; Phosphatidylinositol-glycan biosynthesis class Y protein; PIG-Y
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PIGY. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

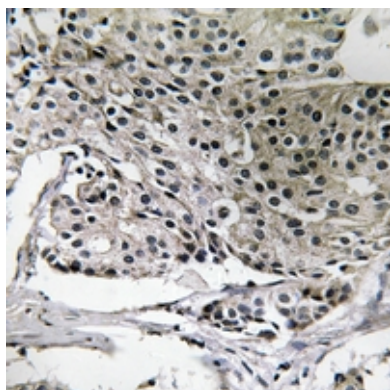
Name	PIGY (HGNC:28213)
Function	Part of the glycosylphosphatidylinositol-N- acetylglucosaminyltransferase (GPI-GnT) complex that catalyzes the transfer of N-acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol and participates in the first step of GPI biosynthesis (PubMed: 16162815). May act by regulating the catalytic subunit PIGA (PubMed: 16162815).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein

Images

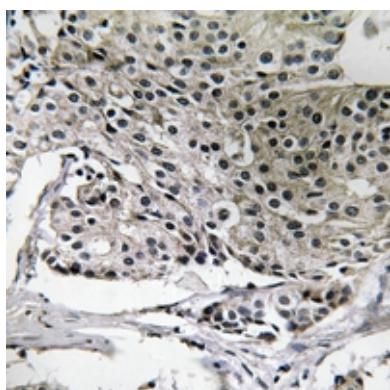
Western blot analysis of PIGY expression in C6 (A), AML12 (B), rat kidney (C) whole cell lysates. (Predicted band size:



8 kD; Observed band size: 16 kD)



Immunohistochemical analysis of PIGY staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.