

PIGA Rabbit pAb

CatalogNo: YN1043

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 53kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 410-490

Specificity PIGA Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name PIGA

Protein Name	Phosphatidylinositol N-acetylglucosaminyltransferase subunit A (GlcNAc-PI synthesis protein) (Phosphatidylinositol-glycan biosynthesis class A protein) (PIG-A)		
	Organism	Gene ID	UniProt ID
	Human	5277 ;	P37287 ;
	Mouse		Q64323 ;
Cellular Localization	Endoplasmic reticulum membrane; Single-pass membrane protein.		
Tissue specificity	Brain,Kidney,		
Function	Catalytic activity:UDP-N-acetyl-D-glucosamine + 1-phosphatidyl-1D-myo-inositol = UDP + 6-(N-acetyl-alpha-D-glucosaminy)-1-phosphatidyl-1D-myo-inositol.,Disease:Defects in PIGA are the cause of paroxysmal nocturnal hemoglobinuria (PNH) [MIM:311770]. PNH is an acquired hemolytic blood disorder characterized by chronic hemolysis with hemoglobinuria, increased tendency to venous thrombosis, and variable degrees of bone marrow failure Biosynthesis of the GPI anchor is deficient in patients with PNH leading to deficient surface expression of GPI-anchored proteins such as DAF or CD59 which play roles in the protection of red cells from the action of complement.,Function:Necessary for the synthesis of N-acetylglucosaminyl-phosphatidylinositol, the very early intermediate in GPI-anchor biosynthesis.,online information:Phosphatidylinositol N-acetylglucosaminyltransferase subunit A,pathway:Glycolipid biosynthesis; glycosylphosphatidylinositol-anchor biosynthesis.,similarity:Belongs to the glycosyltransferase 1 family.,subunit:Associates with PIGC, PIGH, PIGP, PIGQ and DPM2. The latter is not essential for activity. Interacts directly with PIGY.,		

| Validation Data

| Contact information

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