

Rabbit anti-Human PIGP Polyclonal Antibody | anti-PIGP antibody

Anti-PIGP Antibody, Rabbit Polyclonal

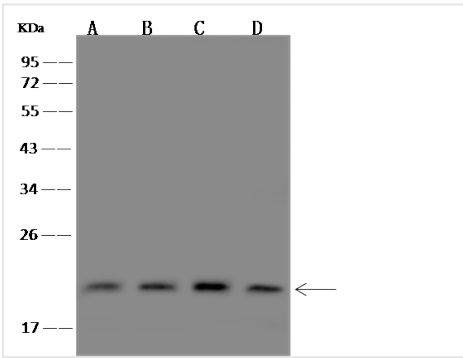
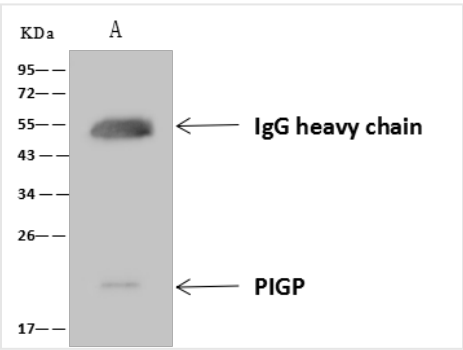
CATALOG # AAA256633	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

PIGP; Polyclonal Antibody; Anti-PIGP Antibody; Rabbit Polyclonal; PIGP Antibody; Rabbit PAb; Antigen Affinity Purified; phosphatidylinositol glycan anchor biosynthesis; class P; Anti-DCRC Antibody; Anti-DCRC-S Antibody; Anti-DSCR5 Antibody; Anti-DSRC Antibody; anti-PIGP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PIGP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PIGP antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human PIGP fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PIGP fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
PIGP was immunoprecipitated using: Lane A: 0.5 mg U87MG Whole Cell Lysate 4 uL anti-PIGP rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PIGP rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 20 kDa. Observed band size: 20 kDa.

WB (Western Blot)
Anti-PIGP rabbit polyclonal antibody at 1:500 dilution. Lane A: K562 Whole Cell Lysate. Lane B: THP1 Whole Cell Lysate. Lane C: U87MG Whole Cell Lysate. Lane D: SHSY5Y Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 18 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PIGP antibody	PIGP (Phosphatidylinositol Glycan Anchor Biosynthesis Class P) is a Protein Coding gene. The PIGP gene, located on 21q22.13, is conserved in chimpanzee, dog, cow, mouse, rat, chicken, zebrafish, and frog. This gene encodes an enzyme involved in the first step of glycosylphosphatidylinositol (GPI)-anchor biosynthesis. The GPI-anchor is a glycolipid found on many blood cells that serve to anchor proteins to the cell surface. The encoded protein is a component of the GPI-N-acetylglucosaminyltransferase complex that catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc to phosphatidylinositol (PI). This gene is located in the Down Syndrome critical region on chromosome 21 and is a candidate for the pathogenesis of Down syndrome. This gene has multiple pseudogenes and is a member of the phosphatidylinositol glycan anchor biosynthesis gene family.
References	Shao M, et al. (2009) Down syndrome critical region protein 5 regulates membrane localization of wnt receptors, dishevelled stability and convergent extension in vertebrate embryos. Development 136 (12): 2121-2131. Johnstone DL, et al. (2017) Compound heterozygous mutations in the gene pigp are associated with early infantile epileptic encephalopathy. Hum Mol Genet 26 (9): 1706-1715. Ferrando-Miguel R, et al. (2004) Protein levels of genes encoded on chromosome 21 in fetal down syndrome brain (part v): Overexpression of phosphatidyl-inositol-glycan class p protein (dscr5). Amino Acids 26 (3): 255-261.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.