abcam

Product datasheet

Anti-PIGA antibody ab154603

1 Image

Overview

Product name	Anti-PIGA antibody
Description	Rabbit polyclonal to PIGA
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse **Predicted to work with:** Human
Immunogen	Recombinant fragment corresponding to a region within amino acids 270-484 of Human PIGA (UniProt ID: P37287).
Positive control	NIH 3T3 whole cell lysate
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine), 1% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab154603 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 54 kDa.

Target

Function Necessary for the synthesis of N-acetylglucosaminyl-phosphatidylinositol, the very early intermediate in GPI-anchor biosynthesis.

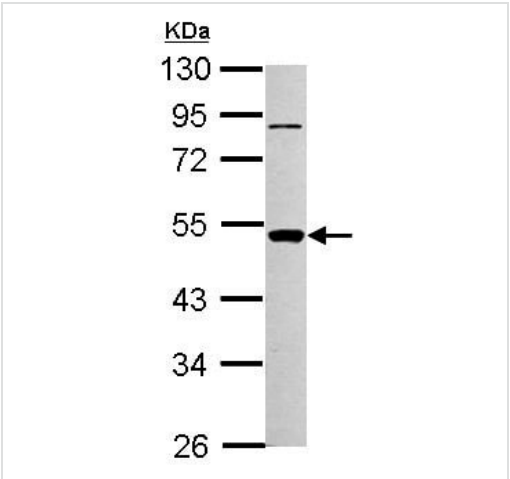
Pathway Glycolipid biosynthesis; glycosylphosphatidylinositol-anchor biosynthesis.

Involvement in disease Paroxysmal nocturnal hemoglobinuria (PNH) [MIM:300818]: A disorder characterized by hemolytic anemia with hemoglobinuria, thromboses in large vessels, and a deficiency in hematopoiesis. Clinical manifestation of red blood cell breakdown with release of hemoglobin into the urine is manifested most prominently by dark-colored urine in the morning. Note=The disease is caused by mutations affecting the gene represented in this entry.
Multiple congenital anomalies-hypotonia-seizures syndrome 2 (MCAHS2) [MIM:300868]: An X-linked recessive developmental disorder characterized by dysmorphic features, neonatal hypotonia, myoclonic seizures, and variable congenital anomalies involving the central nervous, cardiac, and urinary systems. Most affected individuals die in infancy. Note=The disease is caused by mutations affecting the gene represented in this entry.

Sequence similarities Belongs to the glycosyltransferase group 1 family. Glycosyltransferase 4 subfamily.

Cellular localization Endoplasmic reticulum membrane.

Images



Western blot - Anti-PIGA antibody (ab154603)

Anti-PIGA antibody (ab154603) at 1/1000 dilution + NIH 3T3 whole cell lysate at 30 µg

Predicted band size: 54 kDa

10% SDS PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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