

Product datasheet for **AP53294PU-N**

PIGA (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Immunohistochemistry on Paraffin sections: 1/10-1/50. Western blot: 1/1000. Enzyme immunoassay: 1/1000.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region of human PIGA.
Specificity:	This antibody recognizes PIGA at C-term.
Formulation:	PBS with 0.09% (W/V) Sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphatidylinositol glycan anchor biosynthesis class A
Database Link:	Entrez Gene 5277 Human P37287



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Background: The PIGA gene encodes a protein required for synthesis of N-acetylglucosaminyl phosphatidylinositol (GlcNAc-PI), the first intermediate in the biosynthetic pathway of GPI anchor. The GPI anchor is a glycolipid found on many blood cells and which serves to anchor proteins to the cell surface. Paroxysmal nocturnal hemoglobinuria, an acquired hematologic disorder, has been shown to result from mutations in this gene. Alternate splice variants have been characterized. A related pseudogene is located on chromosome 12.

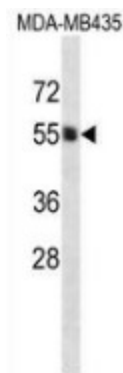
Synonyms: PIG-A

Note: **Molecular Weight:** 54127 Da

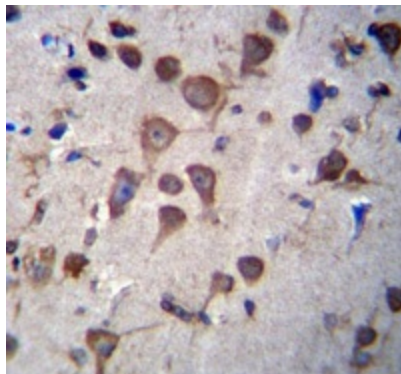
Protein Families: Transmembrane

Protein Pathways: Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways

Product images:



Western blot analysis in MDA-MB435 cell line lysates (35ug/lane) using PIGA antibody. This demonstrates the PIGA antibody detected the PIGA protein (arrow).



Immunohistochemistry analysis in human brain tissue using PIGA antibody. (C-term), followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PIGA antibody for IHC. Clinical relevance has not been evaluated.