

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

PIGA Antibody (C-term)

CATALOG # AAA284984	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PIGA; Polyclonal Antibody; PIGA Antibody (C-term); Phosphatidylinositol N-acetylglucosaminyltransferase subunit A; GlcNAc-PI synthesis protein; Phosphatidylinositol-glycan biosynthesis class A protein; PIG-A; anti-PIGA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PIGA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 455-484 amino acids from the C-terminal region of human PIGA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	455-484
Sequence Length	250
Applicable Applications for anti-PIGA antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

PIGA Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PIGA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PIGA antibody	This 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.
Product Categories/Family for anti-PIGA antibody	Cardiovascular
References	Borowitz, M.J., et al. Cytometry B Clin Cytom 78(4):211-230(2010) Peruzzi, B., et al. Mutat. Res. 705(1):3-10(2010) Araten, D.J., et al. Mutat. Res. 686 (1-2), 1-8 (2010) : Iida, Y., et al. Blood 83(11):3126-3131(1994) Ware, R.E., et al. Blood 83(9):2418-2422(1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	11863130
NCBI GeneID	5277
NCBI Accession #	NP_002632.1; NP_065206.3
NCBI GenBank Nucleotide #	NM_002641.3
UniProt Accession #	P37287; Q16025; Q16250; B4E0V2
Molecular Weight	54127
NCBI Official Full Name	phosphatidylinositol N-acetylglucosaminyltransferase subunit A isoform 1
NCBI Official Synonym Full Names	phosphatidylinositol glycan anchor biosynthesis, class A
NCBI Official Symbol	PIGA
NCBI Official Synonym Symbols	GPI3; PNH1; PIG-A; MCAHS2
NCBI Protein Information	phosphatidylinositol N-acetylglucosaminyltransferase subunit A
UniProt Protein Name	Phosphatidylinositol N-acetylglucosaminyltransferase subunit A
UniProt Gene Name	PIGA
UniProt Synonym Gene Names	PIG-A
UniProt Entry Name	PIGA_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/piga-antibody-immunohistochemistry-western-blot-elisa/284984>