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anti-PIGA antibody (C-Term)

2 Images



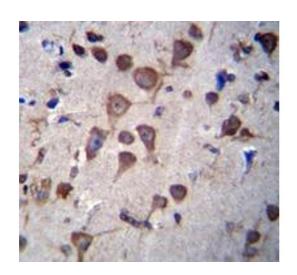
Go to Product page

Overview

Quantity:	0.4 mL
Target:	PIGA
Binding Specificity:	AA 147-177, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIGA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme
	Immunoassay (EIA)
Product Details	
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 147-
	177aa) of human PIGA.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes PIGA at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Purified through a Protein A column followed by peptide affinity purification
Target Details	
Target:	PIGA

Target Details

Alternative Name:	PIGA (PIGA Products)
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: GlcNAc-P
	synthesis protein, PIG-A, Phosphatidylinositol N-acetylglucosaminyltransferase subunit A,
	Phosphatidylinositol-glycan biosynthesis class A protein
Gene ID:	5277
NCBI Accession:	NP_002632
Pathways:	Inositol Metabolic Process
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.

MDA-MB435

72

55■◀

36

28

Western Blotting

Image 2. Western blot analysis in MDA-MB435 cell line lysates (35ug/lane) using PIGA Antibody . This demonstrates the PIGA antibody detected the PIGA protein (arrow).