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anti-PIGA antibody (Middle Region)

2 Images



Publication



Go to Product page

Overview

Quantity:	100 μL
Target:	PIGA
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Pig, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIGA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PIGA
Sequence:	SVKSLCEGLE KAIFQLKSGT LPAPENIHNI VKTFYTWRNV AERTEKVYDR
Predicted Reactivity:	Cow: 86%, Dog: 93%, Human: 100%, Mouse: 93%, Pig: 79%, Rabbit: 79%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against PIGA. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PIGA
Alternative Name:	PIGA (PIGA Products)

Target Details

Preservative:

Precaution of Use:

rarget Details	
Background:	PIGA is 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. 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.
	Alias Symbols: GPI3, PIG-A
	Protein Interaction Partner: UBC, ELAVL1, PIGY, DPM2, PIGQ, PIGH, PIGP,
	Protein Size: 169
Molecular Weight:	19 kDa
Gene ID:	5277
NCBI Accession:	NM_020473, NP_065206
UniProt:	B3KUV7
Pathways:	Inositol Metabolic Process
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 169 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %
	sucrose.

This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

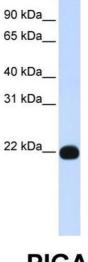
Sodium azide

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Spellman, Ahmed, Dubach, Gardiner: "Expression of trisomic proteins in Down syndrome mode

systems." in: Gene, Vol. 512, Issue 2, pp. 219-25, (2012) (PubMed).

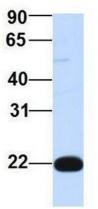
Images



Western Blotting

Image 1. WB Suggested Anti-PIGA Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Placenta

PIGA



Western Blotting

Image 2. Host: Rabbit Target Name: PIGA Sample Type: Human 293T Antibody Dilution: 1.0ug/ml PIGA is supported by BioGPS gene expression data to be expressed in HEK293T