

Datasheet for ABIN2782189  
**anti-PIGA antibody (Middle Region)**[Go to Product page](#)

2 Images

1 Publication

## 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 VKTFYTWARNV AERTEKVDYDR
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 ( <a href="#">PIGA Products</a> )

## Target Details

Background:	<p>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.</p> <p>Alias Symbols: GPI3, PIG-A</p> <p>Protein Interaction Partner: UBC, ELAVL1, PIGY, DPM2, PIGQ, PIGH, PIGP,</p> <p>Protein Size: 169</p>
Molecular Weight:	19 kDa
Gene ID:	5277
NCBI Accession:	<a href="#">NM_020473</a> , <a href="#">NP_065206</a>
UniProt:	<a href="#">B3KUV7</a>
Pathways:	<a href="#">Inositol Metabolic Process</a>

## 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.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

## 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 model 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

### 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