

Datasheet for ABIN2784776
anti-PDIA6 antibody (Middle Region)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	PDIA6
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Horse, Cow, Dog, Pig, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDIA6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PDIA6
Sequence:	KLAAVDATVN QVLASRYGIR GFPTIKIFQK GESPVDYDGG RTRSDIVSRA
Predicted Reactivity:	Cow: 100%, Dog: 86%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PDIA6. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PDIA6
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Target Details

Alternative Name: PDIA6 ([PDIA6 Products](#))

Background: Protein disulfide isomerases, such as PDIA6, are endoplasmic reticulum (ER) resident proteins that catalyze formation, reduction, and isomerization of disulfide bonds in proteins and are thought to play a role in folding of disulfide-bonded proteins. Protein disulfide isomerases (EC 5.3.4.1), such as PDIA6, are endoplasmic reticulum (ER) resident proteins that catalyze formation, reduction, and isomerization of disulfide bonds in proteins and are thought to play a role in folding of disulfide-bonded proteins (Hayano and Kikuchi, 1995 [PubMed 7590364]). [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-39 BF979486.1 11-49 40-1858 BC001312.1 1-1819 1859-2326 AK127433.1 2215-2682 2327-2344 BM511594.1 1-18 c

Alias Symbols: ERP5, P5, TXNDC7

Protein Interaction Partner: HUWE1, UBC, MDM2, P3H1, XPO5, MAT2B, NRD1, GTF2A1, C1QBP, ARPC4, UGDH, TPD52L2, TPD52, PPP3CA, PFDN5, PCYT1A, PARK2, UBD, ADRB2, IGSF8, CD81, MTNR1A, FN1, CSNK2A1, CASP8, METTL23, GRDX, gag-pol, CLN8, VKORC1, SMURF1, TXNL1, MACF1, TPI1, PMS2P1, P4HB, IGBP

Protein Size: 440

Molecular Weight: 48 kDa

Gene ID: 10130

NCBI Accession: [NM_005742](#), [NP_005733](#)

UniProt: [Q15084](#)

Pathways: [ER-Nucleus Signaling](#), [Cell Redox Homeostasis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 440 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Handling

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 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.

Validation report #103398 for Immunocytochemistry (ICC)



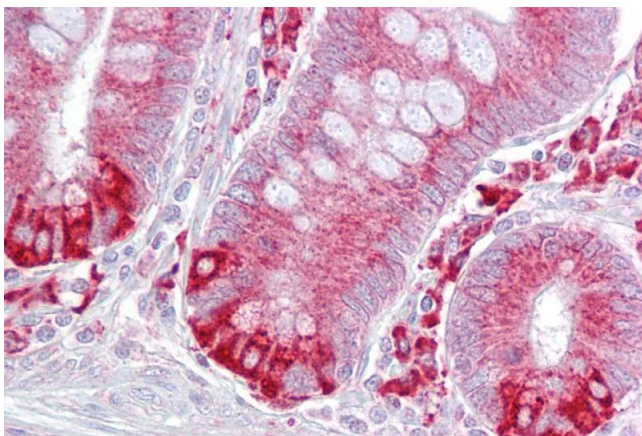
Western Blotting

Image 1. WB Suggested Anti-PDIA6 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:1562500

Positive Control: HepG2 cell lysate



Immunohistochemistry

Image 2. Immunohistochemistry with Small intestine tissue at an antibody concentration of 5µg/ml using anti-PDIA6 antibody (ARP52103_P050)