Rabbit PDIA6 Polyclonal Antibody | anti-PDIA6 antibody

PDIA6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323272	**Rabbit**	**Human, Mouse, Rat**	**Immunohistochemistry, Western Blot**

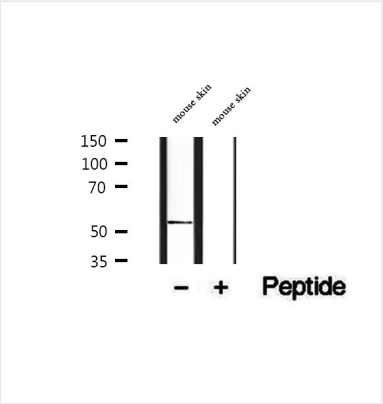
PRODUCT SYNONYMS

PDIA6; Polyclonal Antibody; PDIA6 Antibody; Endoplasmic reticulum protein 5; ER protein 5; ERp5; P5; Pdia6; PDIA6_HUMAN; Protein disulfide isomerase A6; Protein disulfide isomerase associated 6; Protein disulfide isomerase family A member 6; Protein disulfide isomerase P5; Protein disulfide isomerase related protein; Protein disulfide-isomerase A6; Thioredoxin domain containing 7 (protein disulfide isomerase); Thioredoxin domain containing protein 7; Thioredoxin domain-containing protein 7; TXNDC7; anti-PDIA6 antibody

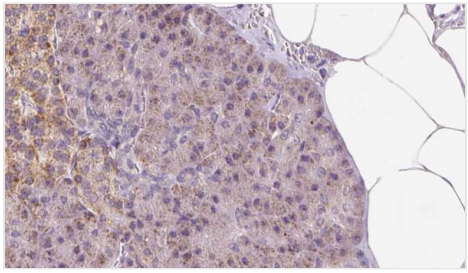
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDIA6 antibody detects endogenous levels of PDIA6.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	492
Applicable Applications for anti-PDIA6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDIA6.
Subcellular Location	Endoplasmic Reticulum Lumen. Cell Membrane. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Tissue Specificity	Expressed in platelets (at protein level).
Predicted Cross Reactivity	**Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus**
Similarity	Bovine (93%), Horse (93%), Sheep (93%), Rabbit (93%), Dog (86%), Chicken (82%), Xenopus (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of mouse skin tissue, using PDIA6 antibody.



IHC (Immunohistochemistry)
AAA323272 at 1/100 staining Human pancreas cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PDIA6 antibody	Function: May function as a chaperone that inhibits aggregation of misfolded proteins (PubMed:12204115). Negatively regulates the unfolded protein response (UPR) through binding to UPR sensors such as ERN1, which in turn inactivates ERN1 signaling (PubMed:24508390). May also regulate the UPR via the EIF2AK3 UPR sensor (PubMed:24508390). Plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin (PubMed:15466936). Subunit Structure: Part of a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX (PubMed:12475965). Interacts with MICA on the surface of tumor cells, leading to MICA disulfide bond reduction which is required for its release from tumor cells (PubMed:17495932). Interacts with ITGB3 following platelet stimulation (PubMed:15466936). Interacts with ERN1; the interaction is direct (PubMed:24508390). Interacts with EIF2AK3 (PubMed:24508390). Similarity: Belongs to the protein disulfide isomerase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	544186032
NCBI GeneID	10130
NCBI Accession #	NP_001269633.1
NCBI GenBank Nucleotide #	NM_001282704.1
UniProt Accession #	Q15084; Q53RC7; Q6ZSH5; Q99778; B3KY95; B5MCQ5; B7Z254; B7Z4M8; F8WA83
Molecular Weight	Observed: 54 kDa Predicted: 49 kDa
NCBI Official Full Name	protein disulfide-isomerase A6 isoform a
NCBI Official Synonym Full Names	protein disulfide isomerase family A member 6
NCBI Official Symbol	PDIA6
NCBI Official Synonym Symbols	P5; ERP5; TXNDC7
NCBI Protein Information	protein disulfide-isomerase A6
UniProt Protein Name	Protein disulfide-isomerase A6
UniProt Gene Name	**PDIA6**
UniProt Synonym Gene Names	ERP5; P5; TXNDC7; ER protein 5; ERp5

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/pdia6-antibody-immunohistochemistry-western-blot-elisa/323272