PDIA6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PDIA6, Polyclonal Antibody
Full Product Name	PDIA6 Rabbit pAb
Product Gene Name	anti-PDIA6 antibody
Product Synonym Names	PDIA6; ERP5; P5; TXNDC7; ER protein 5; ERp5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity Chromatography
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	48kDa
OMIM	611099
3D Structure	ModBase 3D Structure for Q15084
Immunogen	A synthesized peptide derived from human PDIA6
Cellular Localization	Cell Membrane, Endoplasmic Reticulum, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PDIA6 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FC/FACS)
Application Notes for anti-PDIA6 antibody	WB: 1:500-1:2000 ICC/IF: 1:50-1:200 FC/FACS: 1:50
Related Product Information for anti-PDIA6 antibody	May function as a chaperone that inhibits aggregation of misfolded proteins. Plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin.
Other Notes	Small volumes of anti-PDIA6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PDIA6 purchase	MBS8543081 is an antibody targeting PDIA6. Also known as PDIA6 Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDIA6. It may not necessarily be applicable to this product.

NCBI GI #	2501205
NCBI GeneID	10130
NCBI Accession #	Q15084.1

UniProt Primary Accession #	Q15084
UniProt Related Accession #	Q15084
NCBI Official Full Name	Protein disulfide-isomerase A6
NCBI Official Synonym Full Names	protein disulfide isomerase family A member 6
NCBI Official Symbol	PDIA6
NCBI Official Synonym Symbols	P5; ERP5; TXNDC7
UniProt Protein Name	Protein disulfide-isomerase A6
UniProt Synonym Protein Names	Endoplasmic reticulum protein 5; ER protein 5; ERp5; Protein disulfide isomerase P5; Thioredoxin domain-containing protein 7
Protein Family	Protein disulfide-isomerase
UniProt Gene Name	PDIA6
UniProt Synonym Gene Names	ERP5; P5; TXNDC7; ER protein 5; ERp5
UniProt Entry Name	PDIA6_HUMAN
NCBI Protein Information	protein disulfide-isomerase A6
NCBI Summary for PDIA6	This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, two catalytically active thioredoxin (TRX) domains, a TRX-like domain, and a C-terminal ER-retention sequence. This protein inhibits the aggregation of misfolded proteins and exhibits both isomerase and chaperone activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]
UniProt Comments for PDIA6	PDIA6: May function as a chaperone that inhibits aggregation of misfolded proteins. Plays a role in platelet aggregation and activation by agonists such as convulxin, collagen and thrombin. Belongs to the protein disulfide isomerase family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 5.3.4.1; Isomerase Chromosomal Location of Human Ortholog: 2p25.1 Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum lumen; endoplasmic reticulum; melanosome; plasma membrane; ER-Golgi intermediate compartment Molecular Function: protein binding; protein disulfide isomerase activity Biological Process: unfolded protein response, activation of signaling protein activity; cellular protein metabolic process; protein folding; unfolded protein response; cell redox homeostasis; apoptotic cell clearance
Research Articles on PDIA6	**1.** The results of this study suggest that PDIA6 is an important component of EGFR-mediated migration and invasion of U87MG cells.
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