Rabbit PDIA3 Polyclonal Antibody | anti-PDIA3 antibody

PDIA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169276	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

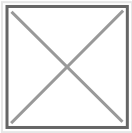
PDIA3; Polyclonal Antibody; PDIA3 Antibody; ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HsT17083; P58; PI-PLC; anti-PDIA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	505
Applicable Applications for anti-PDIA3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human PDIA3
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18619 / sc-18620 / sc-28823
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cell using PDIA3 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded rat kidney using PDIA3 antibody at dilution of 1:200 (200x lens).

WB (Western Blot)
Western blot analysis of extracts of various cell lines using PDIA3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PDIA3 antibody	Secretory proteins translocate into the endoplasmic reticulum (ER) after their synthesis where they are post-translationally modified and properly folded. To reach their native conformation, many secretory proteins require the formation of intra- or inter-molecular disulfide bonds (1). This process is called oxidative protein folding. Disulfide isomerase (PDI) has two thioredoxin homology domains and catalyzes the formation and isomerization of these disulfide bonds (2). Other ER resident proteins that possess the thioredoxin homology domains, including endoplasmic reticulum stress protein 57 (ERp57), constitute the PDI family (2). ERp57 interacts with calnexin and calreticulin (3) and is suggested to play a role in the isomerization of disulfide bonds on certain glycoproteins (3).

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361657
NCBI GeneID	2923
NCBI Accession #	NP_005304.3
NCBI GenBank Nucleotide #	NM_005313.4
Molecular Weight	56,782 Da
NCBI Official Full Name	protein disulfide-isomerase A3
NCBI Official Synonym Full Names	protein disulfide isomerase family A, member 3
NCBI Official Symbol	PDIA3
NCBI Official Synonym Symbols	P58; ER60; ERp57; ERp60; ERp61; GRP57; GRP58; PI-PLC; HsT17083; HEL-S-269; HEL-S-93n
NCBI Protein Information	protein disulfide-isomerase A3; 58 kDa glucose-regulated protein; 58 kDa microsomal protein; ER protein 57; ER protein 60; disulfide isomerase ER-60; endoplasmic reticulum P58; endoplasmic reticulum resident protein 57; endoplasmic reticulum resident protein 60; epididymis secretory protein Li 269; epididymis secretory sperm binding protein Li 93n; glucose regulated protein, 58kDa; phospholipase C-alpha; protein disulfide isomerase-associated 3
UniProt Protein Name	Protein disulfide-isomerase A3
UniProt Gene Name	**PDIA3**
UniProt Synonym Gene Names	ERP57; ERP60; GRP58; p58; ER protein 57; ERp57; ER protein 60; ERp60
UniProt Entry Name	PDIA3_HUMAN

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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pdia3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/169276