

Rabbit anti-Human PDIA3 Polyclonal Antibody | anti-PDIA3 antibody

PDIA3 Antibody (C-term)

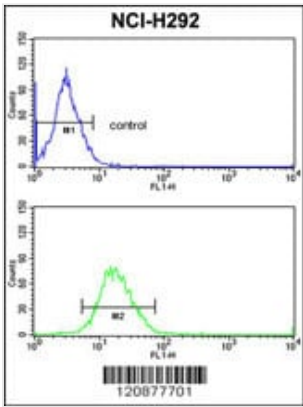
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290265	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

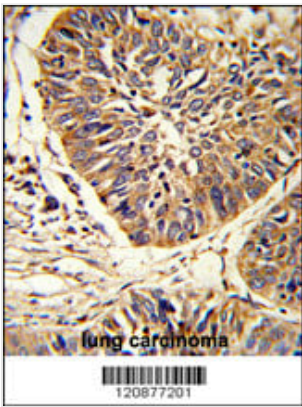
PDIA3; Polyclonal Antibody; PDIA3 Antibody (C-term); Protein disulfide-isomerase A3; 58 kDa glucose-regulated protein; 58 kDa microsomal protein; p58; Disulfide isomerase ER-60; Endoplasmic reticulum resident protein 57; ER protein 57; ERp57; Endoplasmic reticulum resident protein 60; ER protein 60; ERp60; ERP57; ERP60; GRP58; anti-PDIA3 antibody

PRODUCT SPECIFICATIONS

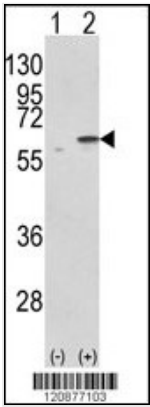
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDIA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 446-475 amino acids from the C-terminal region of human PDIA3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	446-475
Sequence Length	505
Applicable Applications for anti-PDIA3 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



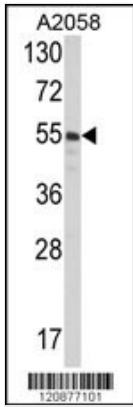
FCM/FACS (Flow Cytometry)
PDIA3 Antibody (C-term) flow cytometric analysis of NCI-H292 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with PDIA3 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PDIA3 (arrow) using rabbit polyclonal PDIA3 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDIA3 gene (Lane 2).



WB (Western Blot)
Western blot analysis of PDIA3 Antibody (C-term) in A2058 cell line lysates (35ug/lane). PDIA3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PDIA3 antibody	PDIA3 is the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates.
Product Categories/Family for anti-PDIA3 antibody	Signal Transduction
References	Vigneron,N., et.al., Eur. J. Immunol. 39 (9), 2371-2376 (2009) Xu,D.,et.al., Am. J. Physiol. Lung Cell Mol. Physiol. 297 (1), L44-L51 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361657
NCBI GeneID	2923
NCBI Accession #	NP_005304.3
NCBI GenBank Nucleotide #	NM_005313.4

UniProt Accession #	P30101; Q13453; Q14255; Q8IYF8; Q9UMU7; AAB37397
Molecular Weight	56782
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
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-flow-cytometry-immunohistochemistry-western-blot-elisa/290265>