

Rabbit anti-Human ERP72 Polyclonal Antibody | anti-PDIA4 antibody

Anti-ERP72 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255669	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA

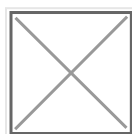
PRODUCT SYNONYMS

ERP72; Polyclonal Antibody; Anti-ERP72 Antibody; Rabbit Polyclonal; ERP72/PDIA4 Antibody; Rabbit PAb; Antigen Affinity Purified; protein disulfide isomerase family A; member 4; Anti-ERP-72 Antibody; Anti-ERP70 Antibody; anti-PDIA4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ERP72/PDIA4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PDIA4 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human ERP72/PDIA4 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ERP72/PDIA4 (rh ERP72/PDIA4). ERP72/PDIA4 specific IgG was purified by Human ERP72/PDIA4 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human PDIA4 in human prostate with rabbit polyclonal antibody (1 ug/mL, formalin-fixed paraffin embedded sections).



IP (Immunoprecipitation)

PDIA4 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate, Lane B: 0.5 mg MCF-7 Whole Cell Lysate, 2 uL anti-PDIA4 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-PDIA4 rabbit polyclonal antibody, at 1:200 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 73 kDa. Observed band size: 73 kDa.

**IHC (Immunohistochemistry)**

Immunochemical staining of human PDIA4 in human breast carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

**IHC (Immunohistochemistry)**

Immunochemical staining of human PDIA4 in human placenta with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-PDIA4 antibody	ERP72, also known as PDIA4, is an endoplasmic reticulum luminal protein which belongs to the protein disulfide isomerase family. ERP72 is a stress protein and participates in the catalysis of protein-S-S-bond rearrangement. Both PDIA4 and PDIA3 function as proteases, protein disulfide isomerases, phospholipases or an arrangement of these. ERP72 compose part of a large chaperone multiprotein complex comprising CABP1, DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX.
References	Tsai YC, et al. (2012) Functional proteomics establishes the interaction of SIRT7 with chromatin remodeling complexes and expands its role in regulation of RNA polymerase I transcription. Mol Cell Proteomics. 11(5):60-76. Kim W, et al. (2011) Systematic and quantitative assessment of the ubiquitin-modified proteome. Mol Cell. 44(2):325-40. Vinayagam A, et al. (2011) A directed protein interaction network for investigating intracellular signal transduction. Sci Signal. 4(189):rs8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119530
NCBI GeneID	9601
UniProt Accession #	P13667 ; Q549T6 ; A8K4K6
Molecular Weight	645
NCBI Official Full Name	Protein disulfide-isomerase A4
NCBI Official Synonym Full Names	protein disulfide isomerase family A, member 4
NCBI Official Symbol	PDIA4
NCBI Official Synonym Symbols	ERP70; ERP72; ERp-72
NCBI Protein Information	protein disulfide-isomerase A4; ER protein 70; ER protein 72; protein disulfide isomerase-associated 4; endoplasmic reticulum resident protein 70; endoplasmic reticulum resident protein 72; protein disulfide isomerase related protein (calcium-binding prot
UniProt Protein Name	Protein disulfide-isomerase A4
UniProt Gene Name	PDIA4
UniProt Synonym Gene Names	ERP70; ERP72; ER protein 70; ERp70; ER protein 72; ERp-72; ERp72
UniProt Entry Name	PDIA4_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/erp72-antibody-immunoprecipitation-immunohistochemistry-elisa/255669>