

Rabbit ERp72 Polyclonal Antibody | anti-PDIA4 antibody

ERp72 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40837	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

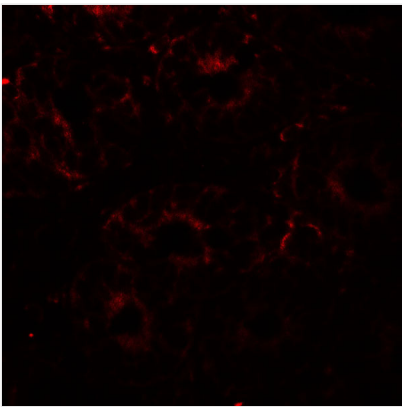
PRODUCT SYNONYMS

ERp72; Polyclonal Antibody; ERp72 Antibody; Protein disulfide isomerase family A member 4; Endoplasmic reticulum resident protein 70; Endoplasmic reticulum resident protein 72; ERp70; ERp-72; anti-PDIA4 antibody

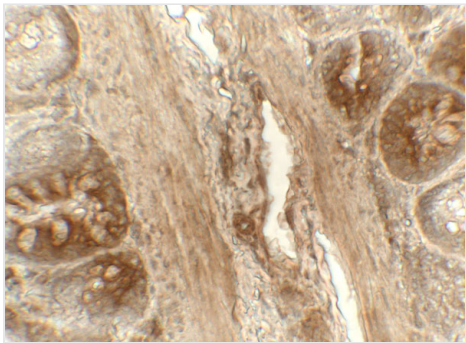
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ERP72 antibody is human, mouse and rat reactive.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	645
Applicable Applications for anti-PDIA4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	ERp72 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human ERp72.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	Human Colon Tissue Lysate
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

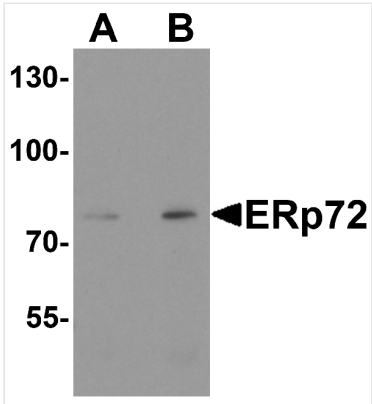
IMAGES



IF (Immunofluorescence)
Immunofluorescence of ERp72 in rat colon tissue with ERp72 antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of ERp72 in rat colon tissue with ERp72 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of ERp72 in human colon tissue lysate with ERp72 antibody at (A) 1 and (B) 2 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PDIA4 antibody	Protein disulfide isomerase (PDI) has two thioredoxin homology domains and catalyzes the formation and isomerization of these disulfide bonds (1,2). ER stress protein 72 (ERp72), also designated protein disulfide-isomerase A4, is involved in the catalysis of protein -S-S- bond rearrangement (3). It plays a role in the formation and isomerization of disulfide bonds (3,4).
Product Categories/Family for anti-PDIA4 antibody	Homeostasis
References	Huppa JB and Ploegh HL. The eS-Sence of -SH in the ER. Cell 1998; 92:145-8. Ellgaard L and Ruddock LW. The human protein disulphide isomerase family: substrate interactions and functional properties. EMBO Rep. 2005; 6:28-32. Mazzarella RA, Srinivasan M, Haugejorden SM, et al. ERp72, an abundant luminal endoplasmic reticulum protein, contains three copies of the active site sequences of protein disulfide isomerase. J. Biol. Chem. 1990; 265:1094-101. Satoh M, Shimada A, Keino H, et al. Functional characterization of 3 thioredoxin homology domains of ERp72. Cell Stress Chaperones 2005; 10:278-84.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758304
NCBI GeneID	9601
NCBI Accession #	NP_004902
NCBI GenBank Nucleotide #	NM_004911.4

UniProt Accession #	P13667 ; Q549T6 ; A8K4K6
Molecular Weight	Predicted: 71 kDa Observed: 75 kDa
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/polyclonal/erp72-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40837>