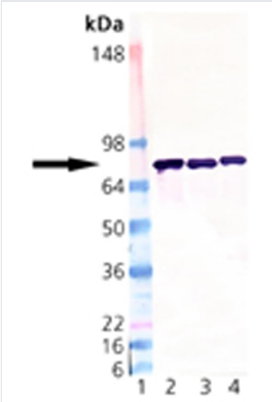
ERp72 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ERp72, Polyclonal Antibody
Full Product Name	ERp72 polyclonal antibody
Product Gene Name	anti-ERp72 antibody
Product Synonym Names	PDIA4; ERP70; protein disulfide isomerase
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat, Bovine, Dog, Guinea pig, Hamster, Monkey, Rabbit
Form/Format	Liquid. In PBS containing 50% glycerol and 0.09% sodium azide.
Purity/Purification	Protein A affinity purified.
Specificity	Recognizes human, mouse, rat, bovine, dog, guinea pig, hamster, monkey and rabbit ERp72. Detects a band of ~72kDa by Western blot.
Preparation and Storage	Long term storage: -20 degree C Avoid freeze/thaw cycles.
Molecular Weight	71,982 Da
3D Structure	ModBase 3D Structure for P08003
Immunogen	Synthetic peptide corresponding to aa 623-638 of mouse ERp72.
Product Categories/Family for anti-ERp72 antibody	Protein Synthesis & Folding; Oxidative Stress
Applications Tested/Suitable for anti-ERp72 antibody	IF, IHC (PS), WB
Application Notes for anti-ERp72 antibody	Western Blot (1:1,000, colorimetric) Suggested dilutions/conditions may not be available for all applications. Detects a band of ~72kDa by Western blot.
Related Product Information for anti-ERp72 antibody	Endoplasmic reticulum protein (ERp) 72, a 72 kDa protein localized to the endoplasmic reticulum, is a member of the Protein Disulfide Isomerase (PDI) family of proteins. Together with other ER resident proteins such as BiP, GRP94, and PDI, they serve as the molecular chaperones for proper folding of newly translocated and glycolsylated proteins such as Thyroglobulin (Tg) and Human chorionic gonadotropin (hCG)-beta.
Other Notes	Small volumes of anti-ERp72 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 ERp72 purchase	MBS565201 is an antibody targeting ERp72. Also known as ERp72 polyclonal antibody. Reactive in Human, Mouse, Rat, Bovine, Dog, Guinea pig, Hamster, Monkey, Rabbit. Host: Rabbit.



Western Blot (WB) of anti-ERp72 antibody
Western blot analysis of ERp72: Lane 1: MW Marker, Lane 2: Rat Liver Microsome Extract, Lane 3: Mouse Liver Microsome Extract, Lane 4: Human Liver Microsome Extract.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERp72. It may not necessarily be applicable to this product.

NCBI GI #	313104203
NCBI GeneID	12304
NCBI Accession #	P08003.3
UniProt Primary Accession #	P08003
UniProt Secondary Accession #	P15841; Q3TT79; Q3UJW0; Q6NXW4; Q8BMT8
UniProt Related Accession #	P08003
NCBI Official Full Name	Protein disulfide-isomerase A4
NCBI Official Synonym Full Names	protein disulfide isomerase associated 4
NCBI Official Symbol	Pdia4
NCBI Official Synonym Symbols	Cai; Erp72; ERp-72; AI987846
UniProt Protein Name	Protein disulfide-isomerase A4
UniProt Synonym Protein Names	Endoplasmic reticulum resident protein 72; ER protein 72; ERp-72; ERp72
UniProt Gene Name	Pdia4
UniProt Synonym Gene Names	Cai; Erp72; ER protein 72; ERp-72; ERp72
UniProt Entry Name	PDIA4_MOUSE
NCBI Protein Information	protein disulfide-isomerase A4
UniProt Comments for ERp72	PDIA4: Part a large chaperone multiprotein complex comprising DNAJB11, HSP90B1, HSPA5, HYOU, PDIA2, PDIA4, PDIA6, PPIB, SDF2L1, UGT1A1 and very small amounts of ERP29, but not, or at very low levels, CALR nor CANX. Belongs to the protein disulfide isomerase family. Protein type: Isomerase; Endoplasmic reticulum; EC 5.3.4.1; Chaperone Cellular Component: cell surface; endoplasmic reticulum; endoplasmic reticulum lumen; smooth endoplasmic reticulum Molecular Function: isomerase activity; protein disulfide isomerase activity Biological Process: cell redox homeostasis; protein folding
Research Articles on ERp72	**1.** A network of endoplasmic reticulum ERp57, ERp72, and ERp29 facilitate polyomavirus infection.

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