

Rat Protein disulfide-isomerase A4 (PDIA4) ELISA Kit | PDIA4 elisa kit

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CATALOG # AAA190411	REACTIVITY Rat
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PRODUCT SYNONYMS

Protein disulfide-isomerase A4 (PDIA4); Rat Protein disulfide-isomerase A4 (PDIA4) ELISA Kit; ERP70; ERP72; protein disulfide isomerase A4|protein disulfide isomerase related protein (calcium-binding protein; intestinal-related)|protein disulfide isomerase-associated 4; PDIA4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat PDIA4. No significant cross-reactivity or interference between Rat PDIA4 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, Plasma, Other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.39ng/mL
Detection Wavelength	450nm
Assay Duration	1-4.5h
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Sample Volume	1-200uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV
Test Principle	This assay employs a two-site sandwich ELISA to quantitate PDIA4 in samples. An antibody specific for PDIA4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDIA4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDIA4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PDIA4 bound in the initial step. The color development is stopped and the intensity of the color is measured.
Preparation and Storage	Store at 2-8 degree C. Please refer to Instruction Manual.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758712
NCBI GeneID	116598
NCBI Accession #	NP_446301.1
NCBI GenBank Nucleotide #	NM_053849.1

UniProt Accession #	P38659; Q6P7S5
Molecular Weight	72,720 Da
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	Cabp2; Erp70; CaBP2; ER protein 70; ERp70; ER protein 72; ERp-72; ERp72
UniProt Entry Name	PDIA4_RAT

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://www.aaabiotech.com/rat-elisa-kits/protein-disulfide-isomerase-a4-pdia4/190411>