

Rat Peroxiredoxin-2 ELISA Kit | Prdx2 elisa kit

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CATALOG #
AAA193429

REACTIVITY
Rat

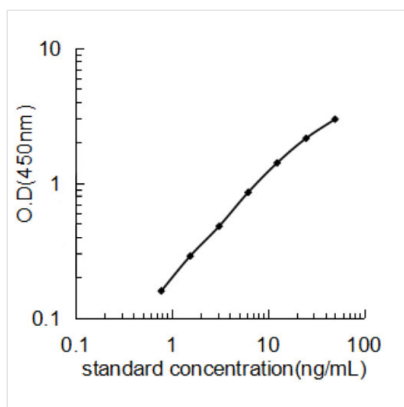
PRODUCT SYNONYMS

Peroxiredoxin-2; Rat Peroxiredoxin-2 ELISA Kit; Thiol-specific antioxidant protein; TSA; Thioredoxin peroxidase 1; Thioredoxin-dependent peroxide reductase 1; Prdx2; Tdpx1; 1.11.1.15; Prdx2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Recombinant and natural Rat Peroxiredoxin-2
Sequence Length	198
Samples	Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids
Detection Range	0.78-50 ng/mL
Sensitivity	< 0.39 ng/mL
Intra-assay Precision	<=5.1%
Inter-assay Precision	<=10.4%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Prdx2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain target antigen, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8394432
NCBI GeneID	29338
NCBI Accession #	NP_058865.1
NCBI GenBank Nucleotide #	NM_017169.1
UniProt Accession #	P35704; Q6PDV3
Molecular Weight	21,784 Da
NCBI Official Full Name	peroxiredoxin-2
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	Prdx2
NCBI Official Synonym Symbols	Tdpx1
NCBI Protein Information	peroxiredoxin-2
UniProt Protein Name	Peroxisredoxin-2
UniProt Gene Name	Prdx2
UniProt Synonym Gene Names	Tdpx1; TSA
UniProt Entry Name	PRDX2_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://stage.aaabiotech.com/prdx2-rat-elisa-kits/peroxiredoxin-2/193429>