

Rat Prdx1 (Peroxiredoxin-1) ELISA Kit | Prdx1 elisa kit

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CATALOG #
AAA250524

REACTIVITY
Rat

PRODUCT SYNONYMS

Prdx1 (Peroxiredoxin-1); Rat Prdx1 (Peroxiredoxin-1) ELISA Kit; Peroxiredoxin-1; HBP23; Heme-binding 23 kDa protein; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2; Thioredoxin-dependent peroxiredoxin 1; Prdx1; Prdx1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Prdx1. No significant cross-reactivity or interference between Prdx1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

ADDITIONAL INFORMATION

Related Product Information for Prdx1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16923958
NCBI GeneID	117254
NCBI Accession #	NP_476455.1
NCBI GenBank Nucleotide #	NM_057114.1
UniProt Accession #	Q63716
Molecular Weight	22,109 Da
NCBI Official Full Name	peroxiredoxin-1

NCBI Official Synonym Full Names	peroxiredoxin 1
NCBI Official Symbol	Prdx1
NCBI Official Synonym Symbols	Hbp23
NCBI Protein Information	peroxiredoxin-1
UniProt Protein Name	Peroxiredoxin-1
UniProt Gene Name	Prdx1
UniProt Synonym Gene Names	Tdpx2
UniProt Entry Name	PRDX1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/prdx1-peroxiredoxin-1/250524>