

Rat Peroxiredoxin-2 ELISA Kit | PRDX2 elisa kit

Rat Peroxiredoxin-2 ELISA Kit

CATALOG #
AAA89391

REACTIVITY
Rat

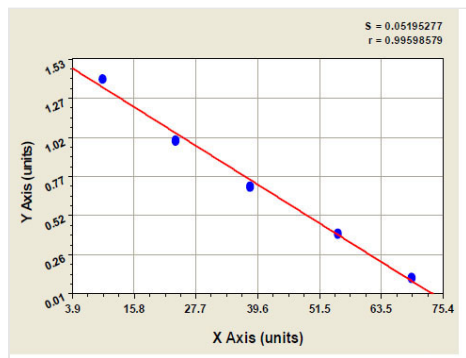
PRODUCT SYNONYMS

Peroxiredoxin-2; Rat Peroxiredoxin-2 ELISA Kit; PRDX2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PRDX2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PRDX2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX2 elisa kit

Principle of the assay: PRDX2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PRDX2 antibody and an PRDX2-HRP conjugate. The assay sample and buffer are incubated together with PRDX2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PRDX2 concentration since PRDX2 from samples and PRDX2-HRP conjugate compete for the anti-PRDX2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PRDX2 from the sample, fewer sites are left to bind PRDX2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRDX2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33188454
NCBI GeneID	7001
NCBI Accession #	NP_859428.1
NCBI GenBank Nucleotide #	NM_181738.1
Molecular Weight	15,819 Da
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	PRDX2
NCBI Official Synonym Symbols	PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B; HEL-S-2a
NCBI Protein Information	peroxiredoxin-2
UniProt Protein Name	Peroxiredoxin-2
UniProt Gene Name	PRDX2
UniProt Synonym Gene Names	NKEFB; TDPX1; NKEF-B; TSA
UniProt Entry Name	PRDX2_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://stage.aaabiotech.com/prdx2-rat-elisa-kits/peroxiredoxin-2/89391>