

Human peroxiredoxin 6 ELISA Kit | PRDX6 elisa kit

Human Peroxiredoxin-6, PRDX6 ELISA Kit

CATALOG #
AAA18030

REACTIVITY
Human

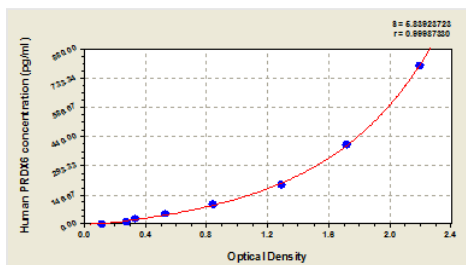
PRODUCT SYNONYMS

peroxiredoxin 6; Human Peroxiredoxin-6; PRDX6 ELISA Kit; Human Peroxiredoxin-6 (PRDX6) ELISA kit; 1-Cys; AOP2; KIAA0106; MGC46173; NSGPx; PRX; aiPLA2; p29; 1-Cys peroxiredoxin; acidic calcium-independent phospholipase A2; antioxidant protein 2; non-selenium glutathione peroxidase; PRDX6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PRDX6. No significant cross-reactivity or interference between human PRDX6 and analogues was observed.
Sequence Length	224
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	12.5 pg/ml-800 pg/ml
Sensitivity	<3.12 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRDX6 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PRDX6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRDX6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRDX6 is added to the wells. After washing, avidin 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 PRDX6 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758638
NCBI GeneID	9588
NCBI Accession #	NP_004896.1
NCBI GenBank Nucleotide #	NM_004905.2
UniProt Accession #	P30041; P32077; Q5TAH4; Q5ZEZ8; A8JZY7
Molecular Weight	25,035 Da
NCBI Official Full Name	peroxiredoxin-6
NCBI Official Synonym Full Names	peroxiredoxin 6
NCBI Official Symbol	PRDX6
NCBI Official Synonym Symbols	PRX; p29; AOP2; 1-Cys; NSGPx; aiPLA2; HEL-S-128m
NCBI Protein Information	peroxiredoxin-6; 1-Cys PRX; 24 kDa protein; 1-Cys peroxiredoxin; antioxidant protein 2; liver 2D page spot 40; red blood cells page spot 12; non-selenium glutathione peroxidase; acidic calcium-independent phospholipase A2; epididymis secretory sperm binding protein Li 128m
UniProt Protein Name	Peroxiredoxin-6
UniProt Gene Name	PRDX6
UniProt Synonym Gene Names	AOP2; KIAA0106; 1-Cys PRX; aiPLA2; NSGPx
UniProt Entry Name	PRDX6_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.