

Rat Kelch Like ECH Associated Protein 1 (KEAP1) ELISA Kit | KEAP1 elisa kit

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CATALOG #
AAA68422

REACTIVITY
Rat

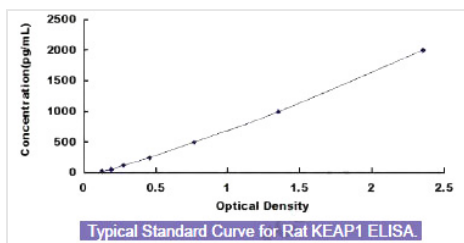
PRODUCT SYNONYMS

Kelch Like ECH Associated Protein 1 (KEAP1); Rat Kelch Like ECH Associated Protein 1 (KEAP1) ELISA Kit; INrf2; KLHL19; Cytosolic inhibitor of Nrf2; Kelch-like protein 19; KEAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of KEAP1. No significant cross-reactivity or interference between KEAP1 and analogues was observed.
Sequence Length	624
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.2-2000pg/mL
Sensitivity	<11.2pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KEAP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KEAP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KEAP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of KEAP1 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KEAP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KEAP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain KEAP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of KEAP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13431599
NCBI GeneID	117519
UniProt Accession #	P57790; Q9ERI3
Molecular Weight	69,399 Da
NCBI Official Full Name	Kelch-like ECH-associated protein 1
NCBI Official Synonym Full Names	Kelch-like ECH-associated protein 1
NCBI Official Symbol	Keap1
NCBI Official Synonym Symbols	Inrf2
NCBI Protein Information	kelch-like ECH-associated protein 1
UniProt Protein Name	Kelch-like ECH-associated protein 1
UniProt Gene Name	Keap1
UniProt Synonym Gene Names	Inrf2; INrf2

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.