

Rat Kelch-like ECH-associated protein 1 (KEAP1) ELISA Kit | KEAP1 elisa kit

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CATALOG #
AAA245258

REACTIVITY
Rat

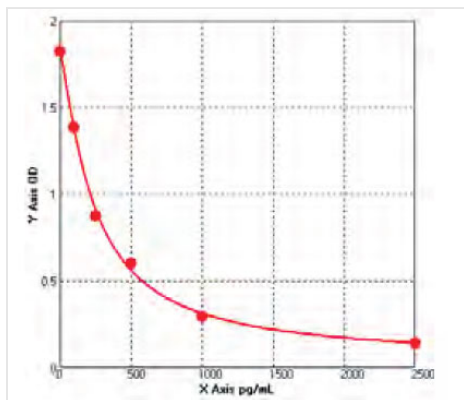
PRODUCT SYNONYMS

Kelch-like ECH-associated protein 1 (KEAP1); Rat Kelch-like ECH-associated protein 1 (KEAP1) ELISA Kit; 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between KEAP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KEAP1 elisa kit	Intended Uses: This KEAP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat KEAP1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: KEAP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-KEAP1 antibody and an KEAP1-HRP conjugate. The assay sample and buffer are incubated together with KEAP1-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 KEAP1 concentration since KEAP1 from samples and KEAP1-HRP conjugate compete for the anti-KEAP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by KEAP1 from the sample, fewer sites are left to bind KEAP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The KEAP1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for KEAP1 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	22027642
NCBI GeneID	9817
NCBI Accession #	NP_036421.2
NCBI GenBank Nucleotide #	NM_012289.3
Molecular Weight	69,666 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; KLHL19
NCBI Protein Information	kelch-like ECH-associated protein 1; kelch-like protein 19; cytosolic inhibitor of Nrf2; kelch-like family member 19
UniProt Protein Name	Kelch-like ECH-associated protein 1
UniProt Gene Name	KEAP1
UniProt Synonym Gene Names	INRF2; KIAA0132; KLHL19; INrf2
UniProt Entry Name	KEAP1_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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/kelch-like-ech-associated-protein-1-keap1/245258>