

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

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CATALOG #
AAA244372

REACTIVITY
Human

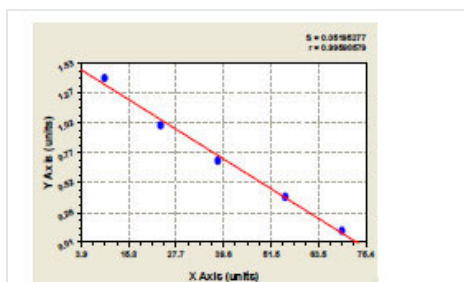
PRODUCT SYNONYMS

Kelch like ECH associated protein 1 (KEAP1); Human Kelch like ECH associated protein 1 (KEAP1) ELISA Kit; KEAP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 Human KEAP1. This ELISA kit for research use only!

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/human-elisa-kits/kelch-like-ech-associated-protein-1-keap1/244372>