

Rat Kelch Repeat And BTB Domain Containing Protein 10 (KBTBD10) ELISA Kit | KBTBD10 elisa kit

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CATALOG # AAA189875	REACTIVITY Rat
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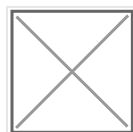
PRODUCT SYNONYMS

Kelch Repeat And BTB Domain Containing Protein 10 (KBTBD10); Rat Kelch Repeat And BTB Domain Containing Protein 10 (KBTBD10) ELISA Kit; KRP1; KBTBD10; Sarcosin; Sarcomeric Muscle Protein; Kelch-like protein 41; Kel-like protein 23; Kelch-related protein 1; KBTBD10/Kelch Repeat And BTB Domain Containing Protein 10; KBTBD10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of KBTBD10. No significant cross-reactivity or interference between KBTBD10 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KBTBD10 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 KBTBD10 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KBTBD10 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to KBTBD10. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to KBTBD10. 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 KBTBD10, 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 KBTBD10 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KBTBD10 in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for KBTBD10 elisa kit	Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	17105344
NCBI GeneID	117537
NCBI Accession #	NP_476539.1
NCBI GenBank Nucleotide #	NM_057191.1
UniProt Accession #	Q9ER30
Molecular Weight	68,213 Da
NCBI Official Full Name	kelch-like protein 41
NCBI Official Synonym Full Names	kelch-like family member 41
NCBI Official Symbol	Klhl41
NCBI Official Synonym Symbols	Krp1; Kbtbd10; Sarcosin
NCBI Protein Information	kelch-like protein 41
UniProt Protein Name	Kelch-like protein 41
UniProt Gene Name	Klhl41
UniProt Synonym Gene Names	Kbtbd10; Krp1
UniProt Entry Name	KLH41_RAT

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.