

Human Kinesin 2 (KNS2) ELISA Kit | KNS2 elisa kit

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CATALOG #
AAA64501

REACTIVITY
Human

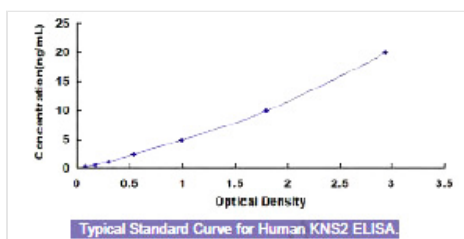
PRODUCT SYNONYMS

Kinesin 2 (KNS2); Human Kinesin 2 (KNS2) ELISA Kit; C13orf15; Response gene to complement 32 protein; RGC-32; KNS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KNS2. No significant cross-reactivity or interference between KNS2 and analogues was observed.
Sequence Length	744
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.106ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KNS2 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 KNS2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KNS2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KNS2 in human 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 KNS2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KNS2. 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 KNS2, 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 KNS2 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 #	148612849
NCBI GeneID	3796
NCBI Accession #	NP_001091981.1
NCBI GenBank Nucleotide #	NM_001098511.2
UniProt Accession #	O00139; Q7Z5I3; Q8N5Q7; A5YM42; A5YM54; B4DY54; D3DW97; E9PB70
Molecular Weight	77,749 Da
NCBI Official Full Name	kinesin-like protein KIF2A isoform 2
NCBI Official Synonym Full Names	kinesin family member 2A
NCBI Official Symbol	KIF2A
NCBI Official Synonym Symbols	HK2; KIF2; CDCBM3
NCBI Protein Information	kinesin-like protein KIF2A
UniProt Protein Name	Kinesin-like protein KIF2A
UniProt Gene Name	KIF2A
UniProt Synonym Gene Names	KIF2; KNS2; hK2

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.