

Human Leucine-Rich Repeat And Calponin Homology Domain-Containing Protein 4 (LRCH4) ELISA Kit | LRCH4 elisa kit

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CATALOG #
AAA68426

REACTIVITY
Human

PRODUCT SYNONYMS

Leucine-Rich Repeat And Calponin Homology Domain-Containing Protein 4 (LRCH4); Human Leucine-Rich Repeat And Calponin Homology Domain-Containing Protein 4 (LRCH4) ELISA Kit; LRN; LRRN4; SAP25; leucine rich repeat protein 4; neuronal; LRCH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LRCH4. No significant cross-reactivity or interference between LRCH4 and analogues was observed.
Sequence Length	652
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	<27pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LRCH4 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 LRCH4 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 LRCH4 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of LRCH4 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to LRCH4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to LRCH4. 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 LRCH4, 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 LRCH4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	584277014
NCBI GeneID	4034
NCBI Accession #	NP_001276863.1
NCBI GenBank Nucleotide #	NM_001289934.1
UniProt Accession #	O75427; Q8WV85; Q96ID0; A4D2D5
Molecular Weight	73,450 Da
NCBI Official Full Name	leucine-rich repeat and calponin homology domain-containing protein 4 isoform 2
NCBI Official Synonym Full Names	leucine rich repeats and calponin homology domain containing 4
NCBI Official Symbol	LRCH4
NCBI Official Synonym Symbols	LRN; LRRN1; LRRN4; PP14183
NCBI Protein Information	leucine-rich repeat and calponin homology domain-containing protein 4
UniProt Protein Name	Leucine-rich repeat and calponin homology domain-containing protein 4
UniProt Gene Name	LRCH4
UniProt Synonym Gene Names	LRN; LRRN1; LRRN4; Leucine-rich neuronal protein

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/leucine-rich-repeat-and-calponin-homology-domain-containing-protein-4-lrch4/68426>