

Rat Doublecortin Like Kinase 1 (DCLK1) ELISA Kit | DCLK1 elisa kit

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CATALOG #
AAA189832

REACTIVITY
Rat

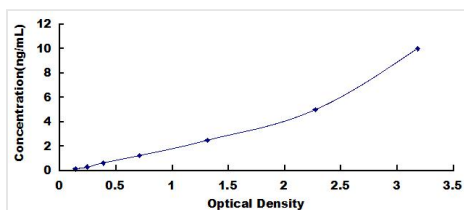
PRODUCT SYNONYMS

Doublecortin Like Kinase 1 (DCLK1); Rat Doublecortin Like Kinase 1 (DCLK1) ELISA Kit; DCDC3A; DCLK; DCAMKL1; Doublecortin And CaM Kinase-Like 1; Doublecortin domain-containing protein 3A; Doublecortin-like and CAM kinase-like 1; DCLK1/Doublecortin Like Kinase 1; DCLK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of DCLK1. No significant cross-reactivity or interference between DCLK1 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	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DCLK1 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 DCLK1 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 DCLK1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DCLK1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DCLK1. 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 DCLK1, 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 $\pm$ 10nm. The concentration of DCLK1 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 DCLK1 in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for DCLK1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	17985955
NCBI GeneID	83825
NCBI Accession #	NP_445795.1
NCBI GenBank Nucleotide #	NM_053343.3
UniProt Accession #	O08875
Molecular Weight	47,681 Da
NCBI Official Full Name	serine/threonine-protein kinase DCLK1 isoform 1
NCBI Official Synonym Full Names	doublecortin-like kinase 1
NCBI Official Symbol	Dclk1
NCBI Official Synonym Symbols	Ania4; Cpg16; Dcamkl1
NCBI Protein Information	serine/threonine-protein kinase DCLK1; doublecortin-like and CAM kinase-like 1; double cortin and calcium/calmodulin-dependent protein kinase-like 1
UniProt Protein Name	Serine/threonine-protein kinase DCLK1
UniProt Gene Name	Dclk1
UniProt Synonym Gene Names	Cpg16; Dcamkl1
UniProt Entry Name	DCLK1_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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/doublecortin-like-kinase-1-dclk1/189832>