

Rat Doublecortin (DCX) ELISA Kit | DCX elisa kit

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CATALOG #
AAA65469

REACTIVITY
Rat

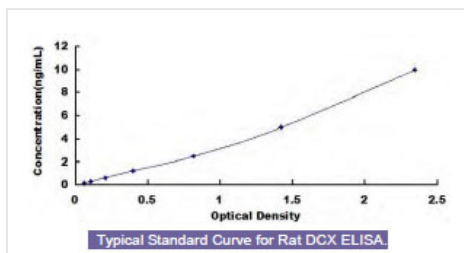
PRODUCT SYNONYMS

Doublecortin (DCX); Rat Doublecortin (DCX) ELISA Kit; DBCN; DC; LISX; SCLH; XLIS; Dublin; Doublecortex; Lissencephalin-X; Lissencephaly; X-Linked; Neuronal migration protein doublecortin; DCX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of DCX. No significant cross-reactivity or interference between DCX and analogues was observed.
Sequence Length	365
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
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 DCX 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 DCX 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 DCX elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DCX in rat 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 DCX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DCX. 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 DCX, 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 DCX 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 #	59797481
NCBI GeneID	84394
UniProt Accession #	Q9ESI7
Molecular Weight	40,560 Da
NCBI Official Full Name	Neuronal migration protein doublecortin
NCBI Official Synonym Full Names	doublecortin
NCBI Official Symbol	Dcx
NCBI Protein Information	neuronal migration protein doublecortin
UniProt Protein Name	Neuronal migration protein doublecortin
UniProt Gene Name	Dcx

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/rat-elisa-kits/doublecortin-dcx/65469>