

Rat Calcineurin (CaN) ELISA Kit | CaN elisa kit

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CATALOG #
AAA63297

REACTIVITY
Rat

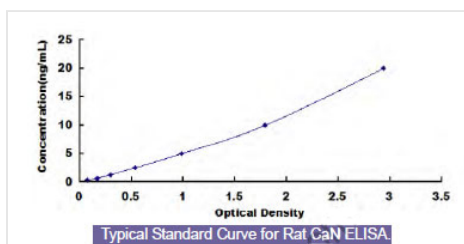
PRODUCT SYNONYMS

Calcineurin (CaN); Rat Calcineurin (CaN) ELISA Kit; PPP3CA; PPP3-CA; CCN1; CNA1; CALN; CALNA1; PP2B; PP2-B; Protein Phosphatase 3(formerly 2B); Catalytic Subunit; Alpha Isoformprotein Phosphatase 2B; Calcineurin A Alpha; CaN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CaN. No significant cross-reactivity or interference between CaN and analogues was observed.
Sequence Length	521
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.104ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CaN 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 CaN 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 CaN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CaN in rat 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 CaN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CaN. 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 CaN, 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 CaN 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 #	8394030
NCBI GeneID	24674
NCBI Accession #	NP_058737.1
NCBI GenBank Nucleotide #	NM_017041.1
UniProt Accession #	P63329; P12816; P20652; Q6LDJ8; Q9WUV7; Q9Z1I5
Molecular Weight	57,615 Da
NCBI Official Full Name	serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform
NCBI Official Synonym Full Names	protein phosphatase 3 catalytic subunit alpha
NCBI Official Symbol	Ppp3ca
NCBI Official Synonym Symbols	Calna1
NCBI Protein Information	serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform
UniProt Protein Name	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform
UniProt Gene Name	Ppp3ca
UniProt Synonym Gene Names	Calna

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.