

Rat Calponin-2 (CNN2) ELISA Kit | CNN2 elisa kit

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CATALOG #
AAA247020

REACTIVITY
Rat

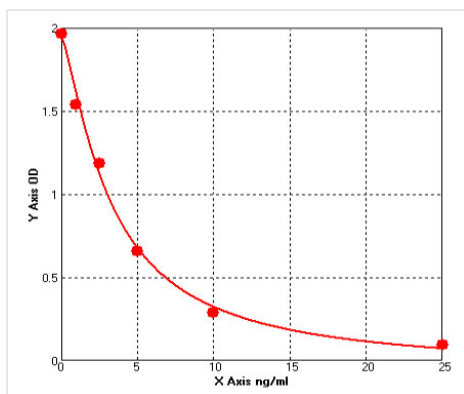
PRODUCT SYNONYMS

Calponin-2 (CNN2); Rat Calponin-2 (CNN2) ELISA Kit; CNN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CNN2. No significant cross-reactivity or interference between CNN2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CNN2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNN2 elisa kit	Principle of the Assay: CNN2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CNN2 antibody and an CNN2-HRP conjugate. The assay sample and buffer are incubated together with CNN2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CNN2 concentration since CNN2 from samples and CNN2-HRP conjugate compete for the anti-CNN2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CNN2 from the sample, fewer sites are left to bind CNN2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNN2 concentration in each sample is interpolated from this standard curve. Intended Uses: This CNN2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CNN2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CNN2 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758018
NCBI GeneID	1265
NCBI Accession #	NP_004359.1
NCBI GenBank Nucleotide #	NM_004368.2
Molecular Weight	29,500 Da
NCBI Official Full Name	calponin-2 isoform a
NCBI Official Synonym Full Names	calponin 2
NCBI Official Symbol	CNN2
NCBI Protein Information	calponin-2; neutral calponin; calponin H2, smooth muscle
UniProt Protein Name	Calponin-2
UniProt Gene Name	CNN2
UniProt Entry Name	CNN2_HUMAN

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/calponin-2-cnn2/247020>