

Rat 2', 3'-cyclic-nucleotide 3'-phosphodiesterase ELISA Kit | Cnp elisa kit

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CATALOG #
AAA310135

REACTIVITY
Rat

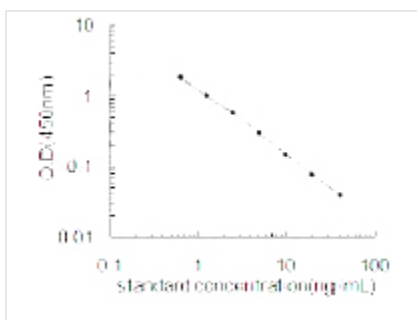
PRODUCT SYNONYMS

2'; 3'-cyclic-nucleotide 3'-phosphodiesterase; Rat 2'; 3'-cyclic-nucleotide 3'-phosphodiesterase ELISA Kit; CNP; CNPase; CNP1; 3.1.4.37; Cnp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural Rat CNP. No significant cross-reactivity or interference was observed.
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	0.62-40.0 ng/mL.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cnp elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat 2',3'-cyclic-nucleotide 3'-phosphodiesterase, CNP concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to CNP. During the reaction, CNP in the sample or standard competes with a fixed amount of biotin-labeled CNP for sites on a pre-coated Monoclonal antibody specific to CNP. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm $\pm$ 2 nm. The concentration of CNP in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57977323
NCBI GeneID	25275
NCBI Accession #	NP_036941.1
NCBI GenBank Nucleotide #	NM_012809.2
UniProt Accession #	P13233; Q4V796; Q64575
Molecular Weight	47,268 Da
NCBI Official Full Name	2',3'-cyclic-nucleotide 3'-phosphodiesterase
NCBI Official Synonym Full Names	2',3'-cyclic nucleotide 3' phosphodiesterase
NCBI Official Symbol	Cnp
NCBI Official Synonym Symbols	CNPF; CNPI; Cnp1; CNPII
NCBI Protein Information	2',3'-cyclic-nucleotide 3'-phosphodiesterase
UniProt Protein Name	2',3'-cyclic-nucleotide 3'-phosphodiesterase
UniProt Gene Name	Cnp
UniProt Synonym Gene Names	Cnp1; CNP; CNPase

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/cnp-rat-elisa-kits/2-3-cyclic-nucleotide-3-phosphodiesterase/310135>