

Rat cAMP response element-binding protein (CREB) ELISA Kit | CREB1 elisa kit

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CATALOG #
AAA246132

REACTIVITY
Rat

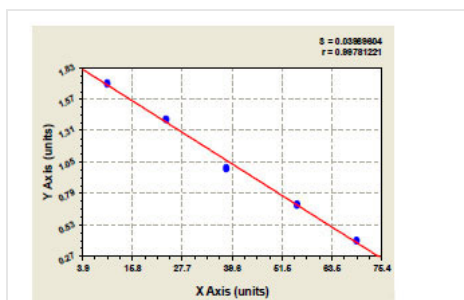
PRODUCT SYNONYMS

cAMP response element-binding protein (CREB); Rat cAMP response element-binding protein (CREB) ELISA Kit; CREB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 CREB1 elisa kit

Intended Uses: This CREB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CREB. This ELISA kit for research use only!

Principle of the Assay: CREB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CREB antibody and an CREB-HRP conjugate. The assay sample and buffer are incubated together with CREB-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 CREB concentration since CREB from samples and CREB-HRP conjugate compete for the anti-CREB antibody binding site. Since the number of sites is limited, as more sites are occupied by CREB from the sample, fewer sites are left to bind CREB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CREB concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CREB1 elisa kit

Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	4261569
NCBI GeneID	1385
Molecular Weight	25,445 Da
NCBI Official Full Name	cAMP response element binding protein, partial
NCBI Official Synonym Full Names	cAMP responsive element binding protein 1
NCBI Official Symbol	CREB1
NCBI Official Synonym Symbols	CREB
NCBI Protein Information	cyclic AMP-responsive element-binding protein 1; CREB-1; transactivator protein; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1
UniProt Protein Name	Cyclic AMP-responsive element-binding protein 1
UniProt Gene Name	CREB1
UniProt Synonym Gene Names	CREB-1; cAMP-responsive element-binding protein 1
UniProt Entry Name	CREB1_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/creb1-rat-elisa-kits/camp-response-element-binding-protein-creb/246132>