

Rat CREB Binding Protein (CREBBP) ELISA Kit | CREBBP elisa kit

Rat CREB Binding Protein (CREBBP) ELISA Kit

CATALOG #
AAA148641

REACTIVITY
Rat

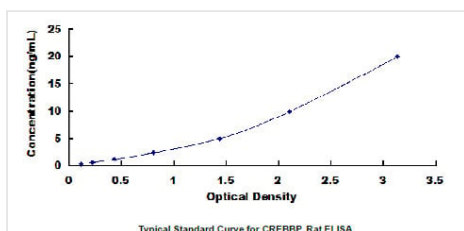
PRODUCT SYNONYMS

CREB Binding Protein (CREBBP); Rat CREB Binding Protein (CREBBP) ELISA Kit; CBP; RSTS; RTS; KAT3A; Rubinstein-Taybi Syndrome; CREBBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CREBBP. No significant cross-reactivity or interference between CREBBP and analogues was observed.
Sequence Length	2442
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.121ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CREBBP 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 CREBBP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CREBBP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CREBBP in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CREBBP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CREBBP. 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 CREBBP, 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 CREBBP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CREBBP elisa kit	Neuroscience
References	The adenosine A(2A) receptor agonist CGS 21680 alleviates auditory sensorimotor gating deficits and increases in accumbal CREB in rats neonatally treated with quinpirole; Psychopharmacology (Berl); 2020 Dec;237(12):3519-3527.; PMID: 32772144; Russell W Brown; Department of Biomedical Sciences, James H. Quillen College of Medicine, East Tennessee State University, Johnson City, TN, 37614, USA. brown1@etsu.edu.

NCBI AND UNIPROT INFORMATION

NCBI GI #	81911066
NCBI GeneID	54244
UniProt Accession #	Q6JHU9
Molecular Weight	265,424 Da
NCBI Official Full Name	CREB-binding protein
NCBI Official Synonym Full Names	CREB binding protein
NCBI Official Symbol	Crebbp
NCBI Official Synonym Symbols	CBP; RTS; RSTS
NCBI Protein Information	CREB-binding protein
UniProt Protein Name	CREB-binding protein
UniProt Gene Name	Crebbp
UniProt Synonym Gene Names	Cbp

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/creb-binding-protein-crebbp/148641>