

Rat Activating Transcription Factor 2 ELISA Kit | ATF2 elisa kit

Rat Activating Transcription Factor 2 ELISA Kit

CATALOG #
AAA85450

REACTIVITY
Rat

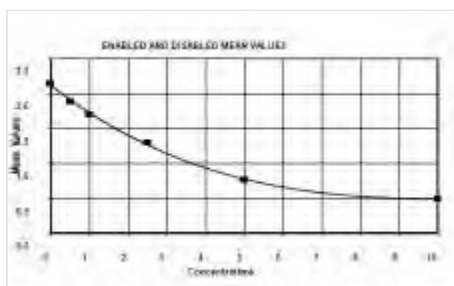
PRODUCT SYNONYMS

Activating Transcription Factor 2; Rat Activating Transcription Factor 2 ELISA Kit; ATF2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATF2 elisa kit	For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma Intended Uses: This ATF2 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of ATF2 in the sample, this ATF2 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus ATF2 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of ATF2 utilizes a monoclonal anti-ATF2 antibody and an ATF2-HRP conjugate. The assay sample and buffer are incubated together with ATF2-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 ATF2 concentration since ATF2 from samples and ATF2-HRP conjugate compete for the anti-ATF2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATF2 from the sample, fewer sites are left to bind ATF2-HRP conjugate. Standards of known ATF2 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of ATF2. The ATF2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ATF2 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	20072897
NCBI GeneID	1386
Molecular Weight	15,409 Da
NCBI Official Full Name	ATF2 protein
NCBI Official Synonym Full Names	activating transcription factor 2
NCBI Official Symbol	ATF2
NCBI Official Synonym Symbols	HB16; CREB2; TREB7; CREB-2; CRE-BP1
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-2; histone acetyltransferase ATF2; cAMP-dependent transcription factor ATF-2; cAMP-responsive element-binding protein 2; cAMP response element-binding protein CRE-BP1; cyclic AMP-responsive element-binding protein 2; cAMP responsive element binding protein 2, formerly; activating transcription factor 2 splice variant ATF2-var2
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-2
UniProt Gene Name	ATF2
UniProt Synonym Gene Names	CREB2; CREBP1; cAMP-dependent transcription factor ATF-2; CREB-2; cAMP-responsive element-binding protein 2
UniProt Entry Name	ATF2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/atf2-rat-elisa-kits/activating-transcription-factor-2/85450>