

Rat Activating Transcription Factor 4 (ATF4) ELISA Kit | ATF4 elisa kit

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CATALOG #
AAA184659

REACTIVITY
Rat

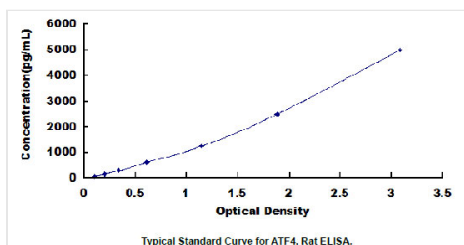
PRODUCT SYNONYMS

Activating Transcription Factor 4 (ATF4); Rat Activating Transcription Factor 4 (ATF4) ELISA Kit; TAXREB67; TXREB; CREB-2; DNA-binding protein TAXREB67; Cyclic AMP-responsive element-binding protein 2; Tax-responsive enhancer element-binding protein 67; ATF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ATF4. No significant cross-reactivity or interference between ATF4 and analogues was observed.
Sequence Length	342
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78-5,000pg/mL
Sensitivity	< 29pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATF4 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 ATF4 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 ATF4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATF4 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 ATF4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ATF4. 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 ATF4, 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 ATF4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148236422
NCBI GeneID	734165
NCBI Accession #	NP_001089140.1
NCBI GenBank Nucleotide #	NM_001095671.1
NCBI Official Full Name	activating transcription factor 4 S homeolog
NCBI Official Synonym Full Names	activating transcription factor 4 S homeolog
NCBI Official Symbol	atf4.S
NCBI Official Synonym Symbols	atf-4; creb2; txreb; ATF4-l; atf4-a; atf4-b; creb-2; atf4-ii; taxreb67
NCBI Protein Information	activating transcription factor 4 S homeolog

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/activating-transcription-factor-4-atf4/184659>