

Rat Activating Transcription Factor 6 (ATF6) ELISA Kit | ATF6 elisa kit

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CATALOG #
AAA189754

REACTIVITY
Rat

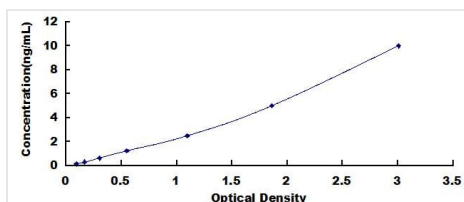
PRODUCT SYNONYMS

Activating Transcription Factor 6 (ATF6); Rat Activating Transcription Factor 6 (ATF6) ELISA Kit; Processed cyclic AMP-dependent transcription factor ATF-6 alpha; ATF6/Activating Transcription Factor 6; ATF6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ATF6. No significant cross-reactivity or interference between ATF6 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATF6 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 ATF6 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 ATF6 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ATF6. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ATF6. 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 ATF6, 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 ATF6 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATF6 in rat tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for ATF6 elisa kit	Signal transduction; Developmental science

NCBI AND UNIPROT INFORMATION

NCBI GI #	157821879
NCBI GeneID	304962
NCBI Accession #	NP_001100666.1
NCBI GenBank Nucleotide #	NM_001107196.1
UniProt Accession #	G3V909; B5DF18
Molecular Weight	72,665 Da
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-6 alpha
NCBI Official Synonym Full Names	activating transcription factor 6
NCBI Official Symbol	Atf6
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-6 alpha
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-6 alpha
UniProt Gene Name	Atf6
UniProt Synonym Gene Names	cAMP-dependent transcription factor ATF-6 alpha; ATF6-alpha
UniProt Entry Name	ATF6A_RAT

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-6-atf6/189754>