

Human Activating Transcription Factor 6 ELISA Kit | ATF6 elisa kit

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CATALOG #
AAA86975

REACTIVITY
Human

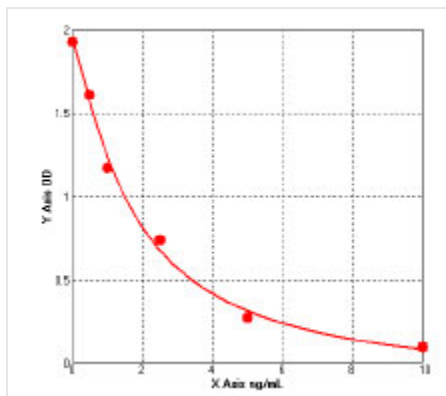
PRODUCT SYNONYMS

Activating Transcription Factor 6; Human Activating Transcription Factor 6 ELISA Kit; ATF6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATF6 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 ATF6 elisa kit	Principle of the Assay: ATF6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ATF6 antibody and an ATF6-HRP conjugate. The assay sample and buffer are incubated together with ATF6-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 ATF6 concentration since ATF6 from samples and ATF6-HRP conjugate compete for the anti-ATF6 antibody binding site. Since the number of sites is limited, as more sites are occupied by ATF6 from the sample, fewer sites are left to bind ATF6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATF6 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATF6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATF6. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ATF6 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	2245630
NCBI GeneID	22926
Molecular Weight	74,585 Da
NCBI Official Full Name	ATF6
NCBI Official Synonym Full Names	activating transcription factor 6
NCBI Official Symbol	ATF6
NCBI Official Synonym Symbols	ATF6A
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-6 alpha; cAMP-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_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/atf6-human-elisa-kits/activating-transcription-factor-6/86975>