

Human Activating Transcription Factor 2 ELISA Kit | ATF2 elisa kit

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CATALOG #
AAA84031

REACTIVITY
Human

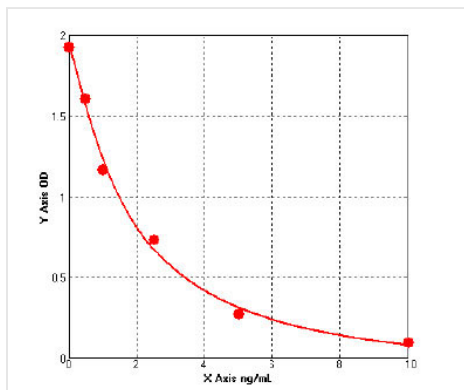
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ATF2. No significant cross-reactivity or interference between ATF2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ATF2 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 ATF2 elisa kit	Principle of the Assay: ATF2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ATF2 concentration in each sample is interpolated from this standard curve. Intended Uses: This ATF2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ATF2. This ELISA kit for research use only, not for therapeutic or test applications!
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.