

Rabbit anti-Human ATF-2 Polyclonal Antibody | anti-ATF-2 antibody

ATF-2 (Ab-472) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307851	Rabbit	Human	Western Blot

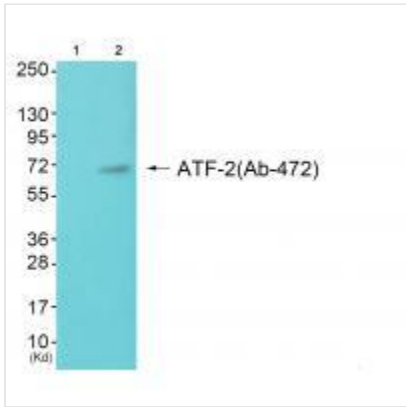
PRODUCT SYNONYMS

ATF-2; Polyclonal Antibody; ATF-2 (Ab-472) Antibody; Activating 2; ATF2; cAMP response element binding protein CRE-BP1; CREB2; CREBP1; anti-ATF-2 antibody

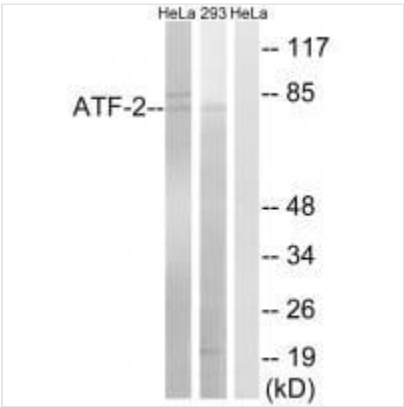
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ATF-2 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	505
Applicable Applications for anti-ATF-2 antibody	WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human ATF-2 around the phosphorylation site of serine 472 (A-L-S(p)-Q-I).
Target Name	ATF-2
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)
Western blot analysis of extracts from JK cells (Lane 2), using ATF-2 (Ab-472) antibody. The lane on the left is treated with synthesized peptide



WB (Western Blot)
Western blot analysis of extracts from HeLa cells and 293 cells, using ATF-2 (Ab-472) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATF-2 antibody	Transcriptional activator which regulates the transcription of various genes, including those involved in anti-apoptosis, cell growth, and DNA damage response. Dependent on its binding partner, binds to CRE (cAMP response element) consensus sequences (5'-TGACGTCA-3') or to AP-1 (activator protein 1) consensus sequences (5'-TGACTCA-3'). In the nucleus, contributes to global transcription and the DNA damage response, in addition to specific transcriptional activities that are related to cell development, proliferation and death. In the cytoplasm, interacts with and perturbs HK1- and VDAC1-containing complexes at the mitochondrial outer membrane, thereby impairing mitochondrial membrane potential, inducing mitochondrial leakage and promoting cell death. The phosphorylated form (mediated by ATM) plays a role in the DNA damage response and is involved in the ionizing radiation (IR)-induced S phase checkpoint control and in the recruitment of the MRN complex into the IR-induced foci (IRIF). Exhibits histone acetyltransferase (HAT) activity which specifically acetylates histones H2B and H4 in vitro. In concert with CUL3 and RBX1, promotes the degradation of KAT5 thereby attenuating its ability to acetylate and activate ATM. Can elicit oncogenic or tumor suppressor activities depending on the tissue or cell type.Maekawa T., EMBO J. 8:2023-2028(1989).Yang L., J. Immunol. 158:2522-2525(1997).Hillier L.W., Nature 434:724-731(2005).
Product Categories/Family for anti-ATF-2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	368711269
NCBI GeneID	1386
NCBI Accession #	NP_001243019.1
NCBI GenBank Nucleotide #	NM_001256090.1
UniProt Accession #	P15336; Q13000; Q3B7B7; Q4ZFU9; Q53RY2; Q8TAR1; A1L3Z2; A4D7U4; A4D7U5; A4D7V1; D3DPE9; G8JLM5
Molecular Weight	15,409 Da
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-2 isoform 1
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
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atf-2-antibody-western-blot-elisa/307851>