

Rabbit anti-Human ATF6 Polyclonal Antibody | anti-ATF6 antibody

Rabbit anti-ATF6 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212272	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

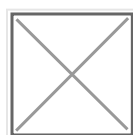
PRODUCT SYNONYMS

ATF6; Polyclonal Antibody; Rabbit anti-ATF6 Antibody; Affinity Purified; ATF6-alpha; cAMP-dependent transcription factor ATF-6 alpha; Activating transcription factor 6 alpha; ACHM7; cyclic AMP-dependent transcription factor ATF-6 alpha; ATF6A; Cyclic AMP-dependent transcription factor ATF-6 alpha; activating transcription factor 6; anti-ATF6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ATF6 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 620 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human ATF6 by western blot and immunoprecipitation. Samples: Whole cell lysate from HeLa (15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and Jurkat (J; 50 ug) cells. Antibodies: Affinity purified rabbit anti-ATF6 antibody AAA212272 used for WB at 0.1 ug/ml (A) and 1 ug/ml (B) and used for IP at 6 ug/mg lysate. ATF6 was also immunoprecipitated by rabbit anti-ATF6 antibody which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 3 minutes (A) and 30 seconds (B).



IHC (Immunohistochemistry)

Detection of human ATF6 by immunohistochemistry. Sample: FFPE section of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-ATF6 (Cat. No. AAA212272 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-ATF6 antibody

Activating transcription factor 6 (ATF6) is a transcription factor that activates target genes for the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Although it is a transcription factor, this protein is unusual in that it is synthesized as a transmembrane protein that is embedded in the ER. It functions as an ER stress sensor/transducer, and following ER stress-induced proteolysis, it functions as a nuclear transcription factor via a cis-acting ER stress response element (ERSE) that is present in the promoters of genes encoding ER chaperones. This protein has been identified as a survival factor for quiescent but not proliferative squamous carcinoma cells [taken from NCBI Entrez Gene (Gene ID: 22926)].

NCBI AND UNIPROT INFORMATION

NCBI GI #	343168761
NCBI GeneID	22926
NCBI Accession #	NP_031374.2
NCBI GenBank Nucleotide #	NM_007348
UniProt Accession #	P18850; O15139; Q5VW62; Q6IPB5; Q9UEC9
Molecular Weight	74,585 Da
NCBI Official Full Name	Homo sapiens activating transcription factor 6 (ATF6), mRNA
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atf6-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/212272>