

Rabbit anti-Human ATF1 Polyclonal Antibody | anti-ATF1 antibody

Anti-ATF1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254367	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

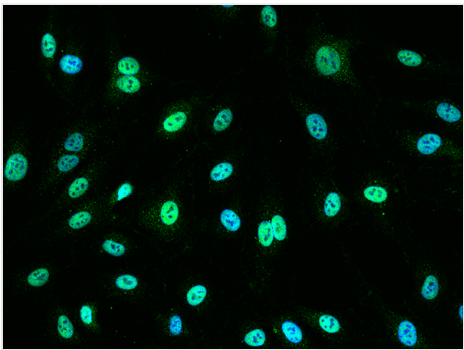
PRODUCT SYNONYMS

ATF1; Polyclonal Antibody; Anti-ATF1 Antibody; Rabbit Polyclonal; ATF1/Protein TREB36 Antibody; Rabbit PAb; Antigen Affinity Purified; activating transcription factor 1; Anti-EWS-ATF1 Antibody; Anti-FUS/ATF-1 Antibody; Anti-TREB36 Antibody; anti-ATF1 antibody

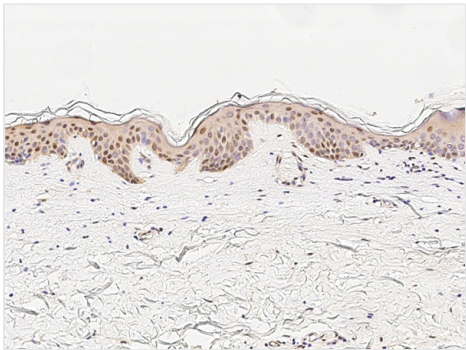
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ATF1/Protein TREB36
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ATF1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human ATF1/Protein TREB36
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human ATF1/Protein TREB36, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

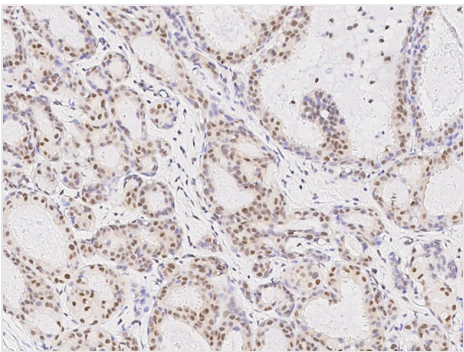
IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of ATF1 in HUVEC cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti- ATF1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to nucleus.



IHC (Immunohistochemistry)
Immunochemical staining of human ATF1 in human skin with rabbit polyclonal antibody (1:500, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
Immunochemical staining of human ATF1 in human breast carcinoma with rabbit polyclonal antibody (1:500, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-ATF1 antibody	Activating transcription factor 1 (ATF1) and RAS genes were significantly up-regulated in tumours of both primary and recurrent cervical cancer mouse model, and they can also be detected in the blood exosomes of the mouse model. Our results indicated that ATF1 and RAS could be potential candidate biomarkers for cervical cancer in early identification. ATF1 and RAS genes were found significantly elevated in tumours of primary and recurrent cervical cancer mouse model, and they were also detected in the blood exosomes. Therefore, ATF1 and RAS could be used as a marker for cervical cancer in the future. The transcription factor Atf1 is known to promote cell survival during various stress conditions in Schizosaccharomyces pombe by activating the expression of appropriate genes. It can also activate transcription of other important genes responsible for cell cycle progression. An Atf1-dependent increase in the expression of cell division promoting genes will oppose activation of checkpoints necessary to ensure repairs and cell survival during stress.
Product Categories/Family for anti-ATF1 antibody	MAPK-Erk Pathway

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885073
NCBI GeneID	466
NCBI Accession #	NP_005162.1
NCBI GenBank Nucleotide #	NM_005171.4
UniProt Accession #	P18846 ; P25168 ; Q9H4A8 ; AAB25878

Molecular Weight	29,233 Da
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-1
NCBI Official Synonym Full Names	activating transcription factor 1
NCBI Official Symbol	ATF1
NCBI Official Synonym Symbols	TREB36; EWS-ATF1; FUS/ATF-1
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-1; cAMP-dependent transcription factor ATF-1
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-1
UniProt Gene Name	ATF1
UniProt Synonym Gene Names	cAMP-dependent transcription factor ATF-1
UniProt Entry Name	ATF1_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://www.aaabiotech.com/polyclonal/atf1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254367>