

Rabbit ATF5 Polyclonal Antibody | anti-ATF5 antibody

Anti-ATF5 Antibody Picoband

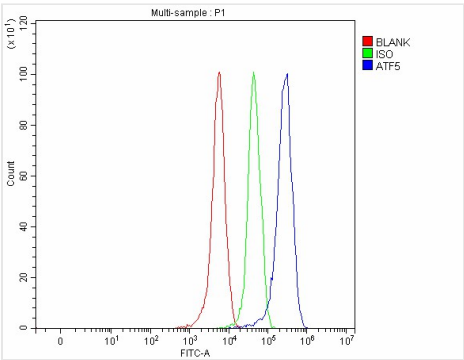
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127143	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

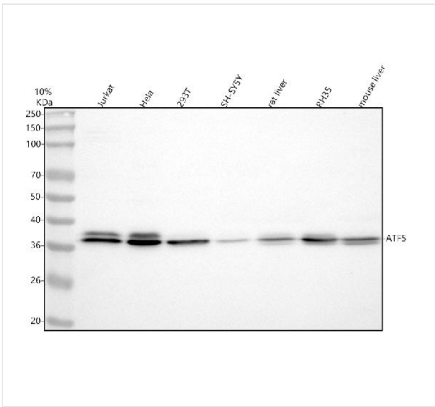
ATF5; Polyclonal Antibody; Anti-ATF5 Antibody Picoband; Cyclic AMP-dependent transcription factor ATF-5; activating transcription factor 5; ATFX; cAMP-dependent transcription factor ATF-5; Activating transcription factor 5; Transcription factor ATFX; anti-ATF5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-ATF5 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human ATF5 recombinant protein (Position: L11-R275). Human ATF5 shares 86.5% and 87.2% amino acid (aa) sequence identity with mouse and rat ATF5, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of 293T cells using anti-ATF5 antibody (AAA127143). Overlay histogram showing 293T cells stained with AAA127143 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ATF5 Antibody (AAA127143, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of ATF5 using anti-ATF5 antibody (AAA127143). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human Hela whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human SH-SY5Y whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat RH35 whole cell lysates, Lane 7: mouse liver tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ATF5 antigen affinity purified polyclonal antibody (#AAA127143) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ATF5 at approximately 37 kDa. The expected band size for ATF5 is at 31 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ATF5 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-ATF5 antibody	Primary Antibodies
References	1. Pati, D., Meistrich, M. L., Plon, S. E. Human Cdc34 and Rad6B ubiquitin-conjugating enzymes target repressors of cyclic AMP-induced transcription for proteolysis. Molec. Cell. Biol. 19: 5001-5013, 1999.2. Peters, C. S., Liang, X., Li, S., Kannan, S., Peng, Y., Taub, R., Diamond, R. H. ATF-7, a novel bZIP protein, interacts with the PRL-1 protein-tyrosine phosphatase. J. Biol. Chem. 276: 13718-13726, 2001.3. Sheng, Z., Li, L., Zhu, L. J., Smith, T. W., Demers, A., Ross, A. H., Moser, R. P., Green, M. R. A genome-wide RNA interference screen reveals an essential CREB3L2-ATF5-MCL1 survival pathway in malignant glioma with therapeutic implications. Nature Med. 16: 671-677, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	302370956
NCBI GeneID	22809
NCBI Accession #	NP_001180575.1
NCBI GenBank Nucleotide #	NM_001193646.1
UniProt Accession #	Q9Y2D1; Q9BSA1; Q9UNQ3; B3KND3
Molecular Weight	30,674 Da
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-5
NCBI Official Synonym Full Names	activating transcription factor 5

NCBI Official Symbol	ATF5
NCBI Official Synonym Symbols	ATFX; HMFN0395
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-5; transcription factor ATFX; cAMP-dependent transcription factor ATF-5
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-5
UniProt Gene Name	ATF5
UniProt Synonym Gene Names	ATFX; cAMP-dependent transcription factor ATF-5
UniProt Entry Name	ATF5_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/atf5-antibody-flow-cytometry-western-blot-elisa/127143>