

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

ATF6 Antibody

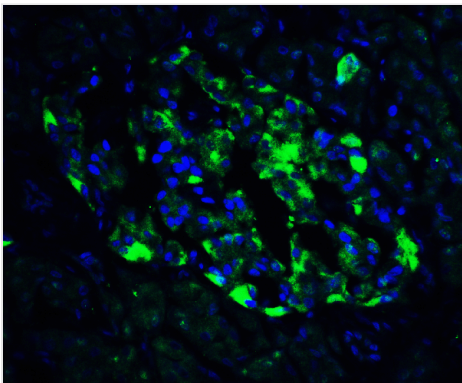
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10957	Rabbit	Human, Mouse	ELISA, Western Blot, Immunocytochemistry, Immunofluorescence

PRODUCT SYNONYMS

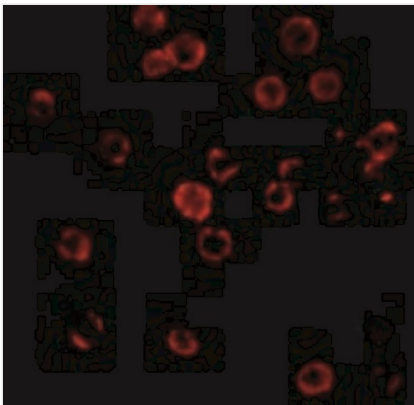
ATF6; Polyclonal Antibody; ATF6 Antibody; ATF6A; Cyclic AMP-dependent transcription factor ATF-6 alpha; Activating transcription factor 6 alpha; cAMP-dependent transcription factor ATF-6 alpha; activating transcription factor 6; anti-ATF6 antibody

PRODUCT SPECIFICATIONS

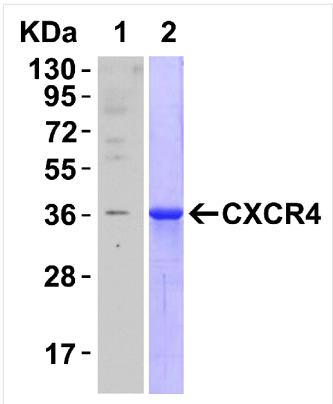
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	ATF6 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	670
Applicable Applications for anti-ATF6 antibody	ELISA, WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Application Notes	ATF6 antibody can be used for the detection of ATF6 by Western blot at 0.5 - 1 mug/mL. Antibody can also be used for immunocytochemistry starting at 10 mug/mL. For immunofluorescence start at 10 mug/mL.
Conjugate	Unconjugated
Immunogen	ATF6 antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human ATF6.
Buffer	ATF6 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ATF6 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



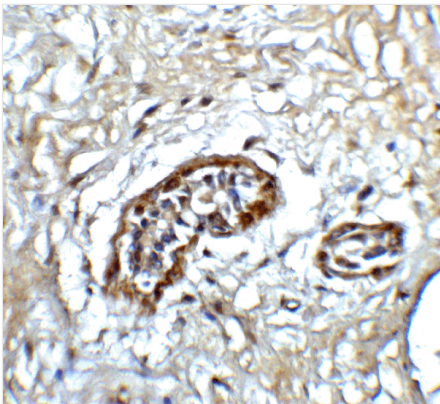
IF (Immunofluorescence)
Immunofluorescence of ATF6 in human pancreas tissue with ATF6 antibody at 20 μg/ml. Green: ATF6 Antibody (3681) Blue: DAPI staining



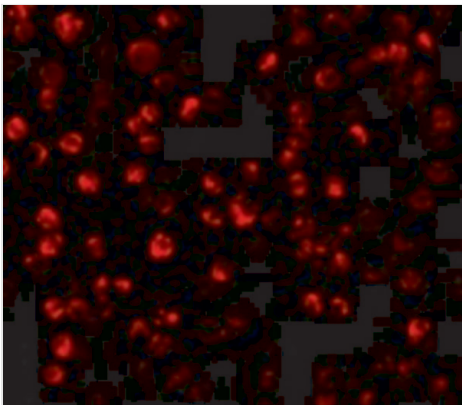
IHC (Immunohistochemistry)
Immunohistochemistry of ATF6 in human pancreas tissue with ATF6 antibody at 5 μg/ml.



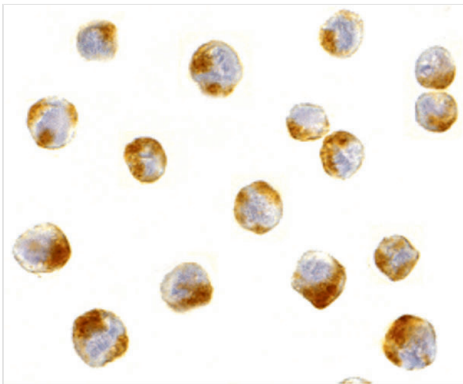
IF (Immunofluorescence)
Immunofluorescence of ATF6 in human breast tissue with ATF6 antibody at 20 μg/ml. Green: ATF6 Antibody (3681) Blue: DAPI staining



IHC (Immunohistochemistry)
Immunohistochemistry of ATF6 in human breast tissue with ATF6 antibody at 5 μg/ml.



IF (Immunofluorescence)
Immunofluorescence of ATF6 in MCF7 cells with ATF6 antibody at 10 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemical staining of MCF7 cells using ATF6 antibody at 10 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ATF6 antibody	ATF6 Antibody: Disruptions of protein folding and maturation in the endoplasmic reticulum (ER) result in the activation of the unfolded protein response (UPR), an integrated cellular signaling pathway that transmits information from the ER lumen to the cytoplasm and nucleus. Activating transcription factor 6 (ATF6) as well as the ER-transmembrane protein kinases IRE1p and PERK are the major transducers of the UPR. ATF6 is an ER transmembrane protein that is normally bound to the ER chaperone GRP78, but upon ER stress is released from GRP78 and proteolytically cleaved to yield a cytosolic fragment which then migrates to the nucleus, and together with the transcription factor XBP-1, activates transcription of UPR-responsive genes. ATF6 has two isoforms (ATF6 ? and ATF6?); only ATF6? is recognized by this antibody.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56786157
NCBI GeneID	22926
NCBI Accession #	NP_031374
NCBI GenBank Nucleotide #	NM_007348.3
UniProt Accession #	P18850; O15139; Q5VW62; Q6IPB5; Q9UEC9
Molecular Weight	74,585 Da
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-6 alpha
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-western-blot-immunocytochemistry-immunofluorescence-elisa/10957>