Mouse anti-Human ATF6 Monoclonal Antibody | anti-ATF6 antibody

ATF6 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78210	**Mouse**	**Human**	**Western Blot, Flow Cytometry, Functional Assay**

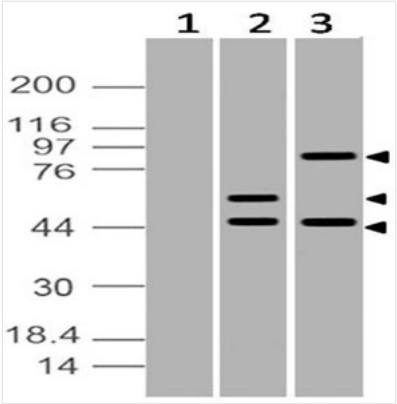
PRODUCT SYNONYMS

ATF6; Monoclonal Antibody; ATF6 Monoclonal Antibody; anti-ATF6 antibody

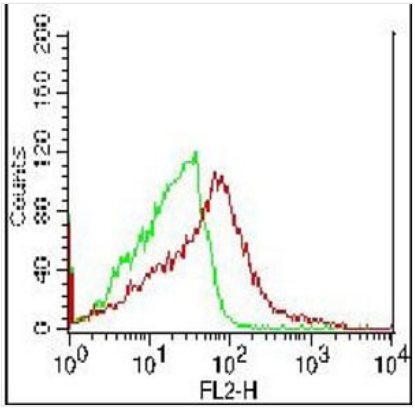
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, Kappa
Clone Number	ABM1A40
Purity/Purification	Protein G Chromatography
Form/Format	Purified; 25ug in 50ul/100 ug in 200ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	670
Applicable Applications for anti-ATF6 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Immunogen	A partial recombinant ATF6 protein (amino acids 1-400) was used as the immunogen for this antibody
Preparation and Storage	Store antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

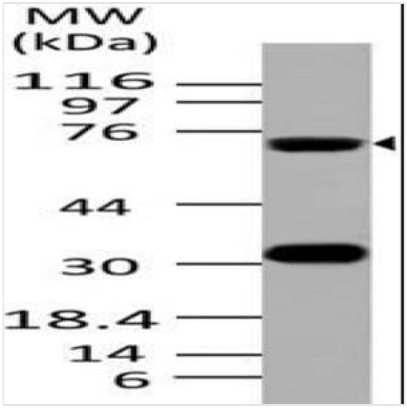
IMAGES



WB (Western Blot)
Expression analysis of ATF6. Anti- ATF6 antibody (Clone ABM1A40) was used at 2 ug/ml on (1) Blank plasmid transfected HEK293 cells, (2) Partial length ATF6 plasmid transfected HEK293 cells and (3) Fulll length ATF6 plasmid transfected HEK293 cells.



FCM/FACS (Flow Cytometry)
Intracellular staining of full length ATF6 plasmid and blank plasmid transfected HEK293 cells. 0.5 ug of anti-ATF6 antibody was used. Green represents blank plasmid, Red represents ATF6 expression plasmid. Goat anti-mouse PE was used as secondary antibody.



WB (Western Blot)
Expression analysis of ATF6. Anti- ATF6 antibody (Clone: ABM1A40) was used at 2 ug/ml on K562 lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ATF6 antibody	ATF6, also named as Cyclic AMP-dependent transcription factor ATF-6 alpha is a member of bZIP family, ATF subfamily. ATF6 forms homodimer and heterodimer with ATF6-beta. ATF6 acts by activating specific unfolded protein response target genes during endoplasmic reticulum stress. ATF6 is a ubiquitously expressed transcription factor located at endoplasmic reticulum (ER) membrane. During ER stress an approximately 50kDa fragment containing the N-terminal cytoplasmic domain is cleaved by proteolysis and is translocated into the nucleus. N-glycosylation may serve as a sensor for ER homeostasis. For the binding of ATF6 to ERSE, ESRE should first bind to another transcription factor called Nuclear Transcription Factor Y (NF-Y). ATF6 could also be involved in activation of transcription by interacting with serum response factor. ATF6 is a 74 kDa protein and is highly expressed in kidney, liver, colon and mammary gland.
Product Categories/Family for anti-ATF6 antibody	Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	56786157
NCBI GeneID	22926
NCBI Accession #	NP_031374.2
NCBI GenBank Nucleotide #	NM_007348.3
UniProt Accession #	P18850; O15139; Q5VW62; Q6IPB5; Q9UEC9
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.