ATF5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ATF5, Polyclonal Antibody
Full Product Name	ATF5 (C-Term) Rabbit pAb
Product Gene Name	anti-ATF5 antibody
Product Synonym Names	Cyclic AMP-dependent transcription factor ATF-5; cAMP-dependent transcription factor ATF-5; Activating transcription factor 5; Transcription factor ATFx; ATF5; ATFX
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	606398
3D Structure	ModBase 3D Structure for Q9Y2D1
Immunogen	This ATF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-216 amino acids from the C-terminal region of human ATF5.
Cellular Localization	Cytoplasm, Cytoskeleton, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-ATF5 antibody	Western Blot (WB)
Application Notes for anti-ATF5 antibody	WB: 1:2000
Related Product Information for anti-ATF5 antibody	MBS8556860 is an antibody targeting ATF5. Also known as ATF5 (C-Term) Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-ATF5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATF5. It may not necessarily be applicable to this product.

NCBI GI #	302370956
NCBI GeneID	22809
NCBI Accession #	NP_001180575.1
UniProt Primary Accession #	Q9Y2D1
UniProt Related Accession #	Q9Y2D1

GenBank Nucleotide #	NP_001180575.1
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
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-5
UniProt Synonym Protein Names	Activating transcription factor 5; Transcription factor ATFx
Protein Family	Cyclic AMP-dependent transcription factor
UniProt Gene Name	ATF5
UniProt Synonym Gene Names	ATFX; cAMP-dependent transcription factor ATF-5
UniProt Entry Name	ATF5_HUMAN
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-5
UniProt Comments for ATF5	ATF-5: Transcriptional activator which binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters and blocks the differentiation of neuroprogenitor cells into neurons. Its transcriptional activity is enhanced by CCND3 and slightly inhibited by CDK4. Belongs to the bZIP family. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 19q13.3 Cellular Component: nucleoplasm; transcription factor complex; cytoplasm Molecular Function: protein binding; heat shock protein binding; transcription corepressor activity Biological Process: circadian rhythm; regulation of transcription from RNA polymerase II promoter; transcription, DNA-dependent; olfactory bulb interneuron development; multicellular organism growth; negative regulation of astrocyte differentiation; positive regulation of transcription from RNA polymerase II promoter; negative regulation of apoptosis; post-embryonic development
Research Articles on ATF5	**1.** Data suggest that ATF5 is modified by SUMO2/3 at a conserved SUMO-targeting consensus site; this SUMOylation of ATF5 appears to be required for transport of ATF5 to centrosome. (ATF5 = activating transcription factor-5; SUMO = small ubiquitin-like modifier)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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