

Rabbit anti-Mouse ATF4 Polyclonal Antibody | anti-ATF4 antibody

ATF4 Rabbit pAb

CATALOG # AAA282211	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Western Blot
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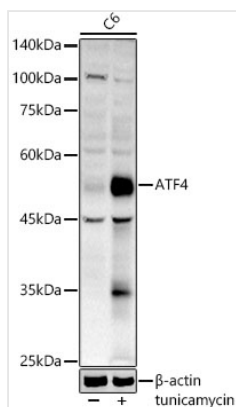
PRODUCT SYNONYMS

ATF4; Polyclonal Antibody; ATF4 Rabbit pAb; CREB-2; CREB2; TAXREB67; TXREB; activating transcription factor 4; anti-ATF4 antibody

PRODUCT SPECIFICATIONS

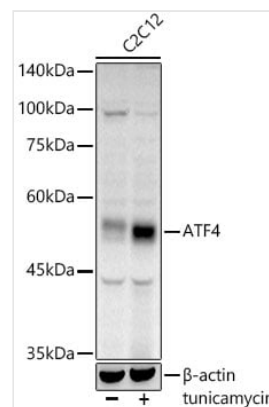
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	ERVKIQAATD SKDISNCMAK AYPQYYRKPS VVKRMPAMLT GLCQGCGRTRQ VVFTSDPHKS YLPVQFQSPD KAETQRGDPS VISVNGTDFT FRSAGVLLLV V
Applicable Applications for anti-ATF4 antibody	WB (Western Blot)
Positive Samples	C2C12, C6
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 260-351 of human ATF4 (NP_877962.1).
Cellular Location	Cell membrane, Cytoplasm, Nucleus, centrosome, cytoskeleton, microtubule organizing center
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of C6, using ATF4 antibody at 1:500 dilution. C6 cells were treated by tunicamycin (2 ug/ml) for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



WB (Western Blot)

Western blot analysis of extracts of C2C12, using ATF4 antibody at 1:500 dilution. C2C12 cells were treated by tunicamycin (2 ug/ml) for 8 hours. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-ATF4 antibody	This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication.
Product Categories/Family for anti-ATF4 antibody	Epigenetics & Nuclear Signaling; Transcription Factors; Signal Transduction; MAPK-Erk Signaling Pathway; Cell Biology & Developmental Biology; Protein folding; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	209447096
NCBI GeneID	23670
NCBI Accession #	NP_001129292.1
NCBI GenBank Nucleotide #	NM_001135820.1
UniProt Accession #	Q9UHN6; Q5T838; Q5T839; Q5T840; Q5T841; Q8NBP6; Q9P2D5; A6H8W9; B2RTQ6
Molecular Weight	147,439 Da
NCBI Official Full Name	cell surface hyaluronidase isoform b
NCBI Official Synonym Full Names	cell migration inducing hyaluronidase 2
NCBI Official Symbol	CEMIP2
NCBI Official Synonym Symbols	TMEM2
NCBI Protein Information	cell surface hyaluronidase
UniProt Protein Name	Cell surface hyaluronidase
UniProt Gene Name	TMEM2

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/atf4-antibody-western-blot-elisa/282211>