

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

ATF4 Antibody (S245)

CATALOG # AAA288026	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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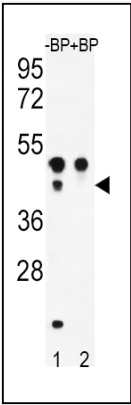
PRODUCT SYNONYMS

ATF4; Polyclonal Antibody; ATF4 Antibody (S245); Tax-responsive enhancer element B67; ATF4 protein; anti-ATF4 antibody

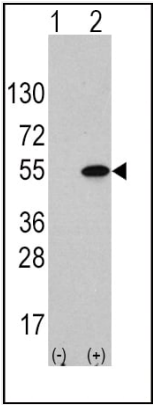
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 220-252 amino acids from human ATF4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	220-252
Sequence Length	351
Applicable Applications for anti-ATF4 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of ATF4 Antibody (S245) Pab pre-incubated without(lane 1) and with(lane 2) blocking peptide in WiDr cell line lysate. ATF4 Antibody (pS245) (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of ATF4 (arrow) using rabbit anti-ATF4 Antibody (S245). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ATF4 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-ATF4 antibody	ATF4 is 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). ATF4 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.
References	Gombart,A.F., J. Leukoc. Biol. 81 (6), 1535-1547 (2007) Jousse,C., J. Biol. Chem. 282 (21), 15851-15861 (2007) Kakiuchi,C., Neurosci. Lett. 417 (3), 316-321 (2007) Marchand,A., J. Biol. Chem. 281 (28), 19124-19133 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469976
NCBI GeneID	468
NCBI Accession #	NP_001666.2
NCBI GenBank Nucleotide #	NM_001675.4
UniProt Accession #	Q96AQ3; P18848
Molecular Weight	38590
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-4
NCBI Official Synonym Full Names	activating transcription factor 4
NCBI Official Symbol	ATF4
NCBI Official Synonym Symbols	CREB2; TXREB; CREB-2; TAXREB67
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-4
UniProt Protein Name	ATF4 protein
UniProt Gene Name	ATF4
UniProt Entry Name	Q96AQ3_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/atf4-antibody-western-blot-elisa/288026>