

Rabbit anti-Zebrafish DANRE atf4 Polyclonal Antibody | anti-atf4 antibody

DANRE atf4 Antibody (C-term)

CATALOG # AAA283964	HOST Rabbit	REACTIVITY Zebrafish	APPLICATIONS ELISA, Western Blot
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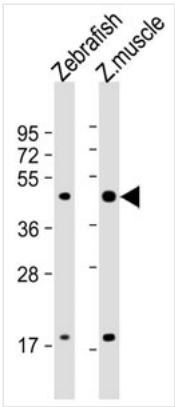
PRODUCT SYNONYMS

DANRE atf4; Polyclonal Antibody; DANRE atf4 Antibody (C-term); Cyclic AMP-dependent transcription factor ATF-4; cAMP-dependent transcription factor ATF-4; Activating transcription factor 4; atf4 {ECO:0000312|ZFIN:ZDB-GENE-040426-2340}; atf4b1; anti-atf4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Zebrafish
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DANRE atf4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 288-314 amino acids from the C-terminal region of DANRE 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: 0.79 (varies by lot)
Sequence Positions	288-314
Sequence Length	339
Applicable Applications for anti-atf4 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Function	Transcriptional activator. Binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters. May play a role in the regulation of the circadian clock (By similarity).
Cellular Location	Cytoplasm. Cell membrane. Nucleus {ECO:0000250 UniProtKB:P18848, ECO:0000250 UniProtKB:Q9ES19, ECO:0000255 PROSITE-ProRule:PRU00978}
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)
All lanes : Anti-(DANRE) atf4 Antibody(C-term) at 1:1000 dilution
Lane 1: Zebrafish lysate
Lane 2: Zebrafish muscle lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 37 kDa
Blocking/Dilution buffer: 5% NFDM/TBST

ADDITIONAL INFORMATION

Related Product Information for anti-atf4 antibody	Transcriptional activator. Binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AC][AG]-3'), a sequence present in many viral and cellular promoters (By similarity).
Product Categories/Family for anti-atf4 antibody	Crown Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	47086047
NCBI GeneID	406514
NCBI Accession #	NP_998398.1
NCBI GenBank Nucleotide #	NM_213233.1
UniProt Accession #	Q6NW59
Molecular Weight	36605
NCBI Official Full Name	cyclic AMP-dependent transcription factor ATF-4
NCBI Official Synonym Full Names	activating transcription factor 4a
NCBI Official Symbol	atf4a
NCBI Official Synonym Symbols	atf4; atf4b1; zgc:85951; wu:fj01c08; wu:fk30b04
NCBI Protein Information	cyclic AMP-dependent transcription factor ATF-4
UniProt Protein Name	Cyclic AMP-dependent transcription factor ATF-4
UniProt Gene Name	atf4
UniProt Synonym Gene Names	cAMP-dependent transcription factor ATF-4
UniProt Entry Name	ATF4_DANRE

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.