



Rabbit Anti-ATF4 monoclonal antibody, clone TE31-03 (CABT-L786)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	ATF4
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TE31-03
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	55 kDa
Cellular Localization	Cytoplasm, Cell membrane, Nucleus.
Positive Control	PC-12, MCF-7, Hela, N2A, human breast carcinoma tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	Eukaryotic gene transcription is regulated by sequence-specific transcription factors which bind modular cis-acting promoter and enhancer elements. The cAMP response element (CRE), one of the best studied of such elements, consists of the palindromic octanucleotide TGACGTCA. Several CRE binding proteins have been identified within the ATF/CREB family, the best characterized of which include CREB-1, CREB-2 (also designated ATF-4), ATF-1, ATF-2 and ATF-3. These proteins share highly related COOH terminal leucine zipper dimerization and basic DNA binding domains but are highly divergent in their amino terminal domains. Although each of the ATF/CREB proteins appear capable of binding CRE in its homodimeric form, certain of these also bind as heterodimers, both within the ATF/CREB family and even with members of the AP-1 transcription factor family.
Keywords	Activating transcription factor 4;ATF 4;ATF4;ATF4 protein;ATF4_HUMAN;cAMP-dependent transcription factor ATF-4;cAMP-responsive element-binding protein 2;CREB 2;CREB-2;CREB2;Cyclic AMP dependent transcription factor ATF 4;Cyclic AMP response element binding protein 2;Cyclic AMP-dependent transcription factor ATF-4;Cyclic AMP-responsive element-binding protein 2;DNA binding protein TAXREB67;DNA-binding protein TAXREB67;Tax Responsive Enhancer Element B67;Tax-responsive enhancer element-binding protein 67;TaxREB67;TXREB antibody

GENE INFORMATION

Entrez Gene ID	1435
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