ELK Biotechnology

CREB-2 rabbit pAb

Cat No.:ES6333

For research use only

Overview

Product Name	CREB-2 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from CREB-2 . at AA range: 160-240
Specificity	CREB-2 Polyclonal Antibody detects endogenous levels of CREB-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Cyclic AMP-dependent transcription factor ATF-4
Gene Name	ATF4
Cellular localization	Nucleus . Nucleus speckle . Cytoplasm . Cell membrane . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Colocalizes with GABBR1 in hippocampal neuron dendritic membranes (By similarity). Colocalizes with NEK6 at the centrosome (PubMed
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	38kD
Human Gene ID	468
Human Swiss-Prot Number	P18848
Alternative Names	ATF4; CREB2; TXREB; Cyclic AMP-dependent transcription factor ATF-4; cAMP-dependent transcription factor ATF-4; Activating transcription factor 4; Cyclic AMP-responsive element-binding

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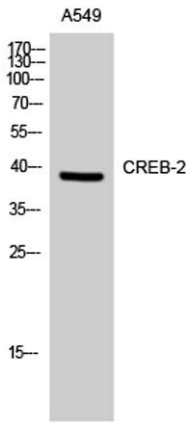
Background

protein 2; CREB-2; cAMP-responsive element-binding prot
activating transcription factor 4(ATF4) Homo sapiens 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. [provid



Western Blot analysis of A549 cells using CREB-2 Polyclonal Antibody

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