

CREB-1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02211
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CREB. AA range:111-160
Mol wt	36688
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	CREB-1 Antibody
Synonyms	CREB1; Cyclic AMP-responsive element-binding protein 1; CREB-1; cAMP-responsive element-binding protein 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CREB1 encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. Cyclic AMP-responsive element-binding protein 1 binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms.

Recommended Dilution

WB: 1: 500 - 1: 2000

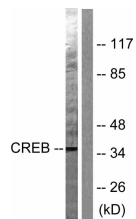
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

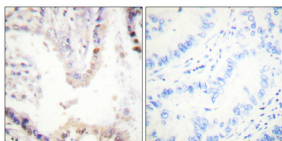
ELISA: 1: 40000

Not yet tested in other applications.

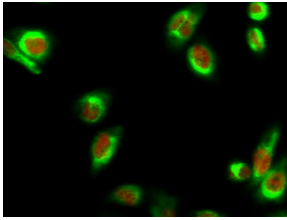
Images



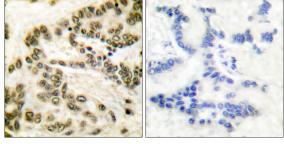
Western blot analysis of lysates from HeLa cells, treated with PMA 125ng/ml 30', using CREB Antibody. The lane on the right is blocked with the synthesized peptide.



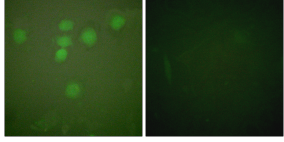
Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunofluorescence analysis of HeLa cell. 1, CREB-1 Polyclonal Antibody (red) was diluted at 1:200 (4° overnight). LC3A mouse Monoclonal Antibody (5G10) (green) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50 min). Goat Anti Mouse Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50 min).



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using CREB Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of HeLa cells, using CREB Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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