

# **CREB-1 Polyclonal Antibody**

### Description

Product type Primary Antibody

Code BT-AP02212

**Host** Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human CREB. AA range:91-140

Mol wt 36688

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application WB, IHC-p, 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

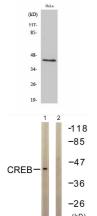
CREB1 encodes a transcription factor (cAMP responsive element binding protein 1) that is a member of the leucine zipper family of DNA binding proteins. cAMP responsive element binding protein 1 binds as a homodimer to the cAMP-responsive element, an octameric palindrome. cAMP responsive element binding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

## Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 5000

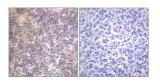
Not yet tested in other applications.

#### **Images**



Western Blot analysis of various cells using CREB-1 Polyclonal Antibody diluted at 1:500

Western blot analysis of lysates from HeLa cells, treated with Insulin 0.01U/ml 15', using CREB Antibody. The lane on the right is blocked with the synthesized peptide.



 $Immun ohistochemistry\ analysis\ of\ paraffin-embedded\ human\ tonsil\ tissue,\ using\ CREB\ Antibody.$  The picture on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

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