

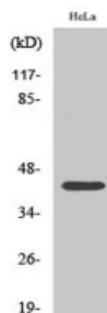
# CREB-1 (phospho Ser142) Rabbit Polyclonal Antibody

OPR1506

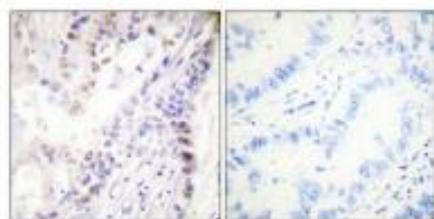
<b>Reactivity</b>	H,M,R	<b>Storage</b>	-20°C, Avoid freeze / thaw cycles
<b>Host</b>	Rabbit	<b>Applications</b>	WB;ELISA,IHC,IF
<b>Isotype</b>	IgG	<b>Concentration</b>	1 mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## Images



Western Blot analysis of HeLa cells using Phospho-CREB-1 Polyclonal Antibody diluted at 1:500.



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed.

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human CREB around the phosphorylation site of Ser142.

AA range:111-160

**Swissprot** P16220

**Synonyms** CREB1; Cyclic AMP-responsive element-binding protein 1; CREB-1; cAMP-responsive element-binding protein 1

## Product Information

**Observed MW** 37 kDa

**Buffer** PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Dilution** WB: 1/500 - 1/2000, IHC: 1/100 - 1/300, IF: 1/200 - 1/1000, ELISA: 1/40000.

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user

## Background

This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein 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.

## Research Use

For research use only, not for use in diagnostic procedure.

## Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry; ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish; X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

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