

## Recombinant Phospho-CREB (Ser133) Monoclonal Antibody

catalog number: **AN300123L**

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

### Description

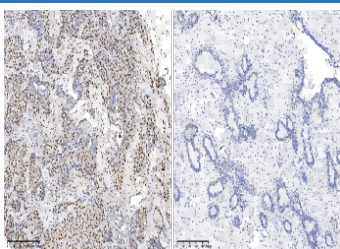
<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues around Ser133 of human CREB.
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	9D15
<b>Purification</b>	Protein A
<b>Buffer</b>	10 mM sodium HEPES, 150 mM NaCl, 100 µg/mL protein protectant, 50% glycerol, pH 7.5

### Applications

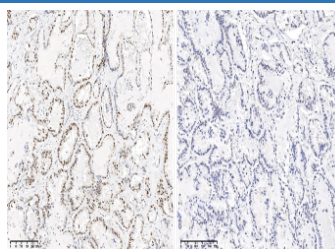
### Recommended Dilution

<b>WB</b>	1:10000-1:200000
<b>IHC-P</b>	1:100-1:500

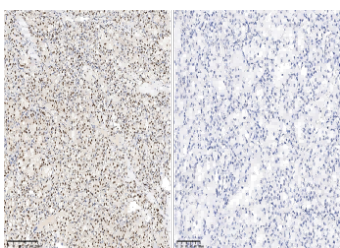
### Data



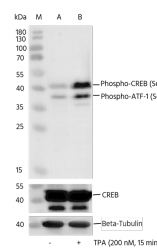
Immunohistochemistry of paraffin-embedded human breast cancer using Phospho-CREB (Ser133) Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded human lung cancer using Phospho-CREB (Ser133) Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded human renal carcinoma using Phospho-CREB (Ser133) Monoclonal Antibody at dilution of 1:200.



Western blot analysis of extracts from serum-starved HeLa, untreated (-) or treated with TPA (200 nM, 15 min; +), using Phospho-CREB (Ser133) Monoclonal Antibody at 1:200000 dilution (upper) or Anti-CREB Monoclonal Antibody at 1:500 dilution (middle) or Beta-Tubulin Loading Control Antibody (Chimeric) at 1:40000 dilution (lower). Phospho-CREB (Ser133) Monoclonal Antibody may cross with Phospho-ATF-1 (Ser63) by sequence similarity.

**Observed-MW:38 kDa, 40 kDa**

**Calculated-MW:35 kDa**

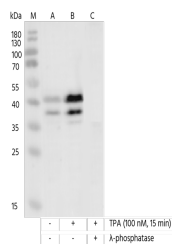
### For Research Use Only

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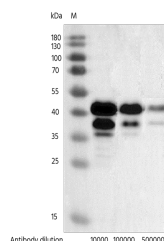
Rev. V1.1



Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with TPA (100 nM, 15 min) (line B); treated with TPA and λ-phosphatase (line C) using Phospho-CREB (Ser133) Monoclonal Antibody at 1:200000 dilution.

**Observed-MW:38 kDa, 40 kDa**

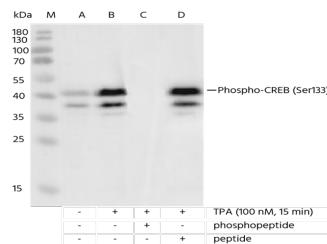
**Calculated-MW:35 kDa**



Western blot analysis of extracts from serum-starved HeLa treated with TPA (100 nM, 15 min), using Phospho-CREB (Ser133) Monoclonal Antibody at 1:10000, 1:100000, 1:500000 dilution.

**Observed-MW:38 kDa, 40 kDa**

**Calculated-MW:35 kDa**



Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with TPA (100 nM, 15 min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-CREB (Ser133) Monoclonal Antibody at 1:200000 dilution.

**Observed-MW:38 kDa, 40 kDa**

**Calculated-MW:35 kDa**

## Preparation & Storage

### Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

### Shipping

Ice bag

## 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.