Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Phospho-CREB1-S133 Rabbit mAb

Catalog No.: AP1549 Recombinant

Basic Information

Observed MW
40 kDa/50 kDa

Calculated MW
35kDa

Category
Primary antibody

Applications
WB,IHC-P,FC (intra),ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC3317

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.

Recommended Dilutions

WB	1:2500 - 1:10000
IHC-P	1:200 - 1:2000
FC (intra)	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1385

Swiss Prot
P16220

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CREB; CREB-1

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

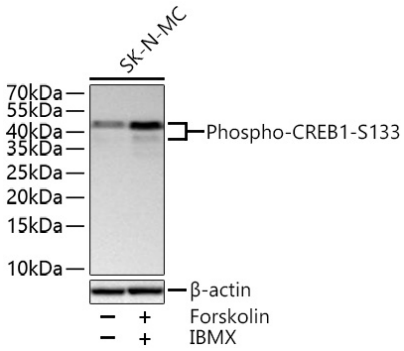
Source
Rabbit

Isotype
IgG

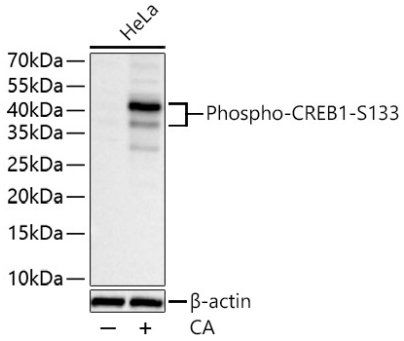
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

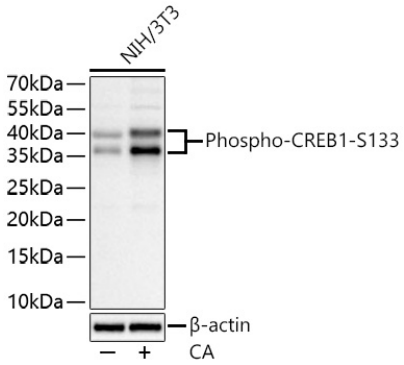
Validation Data



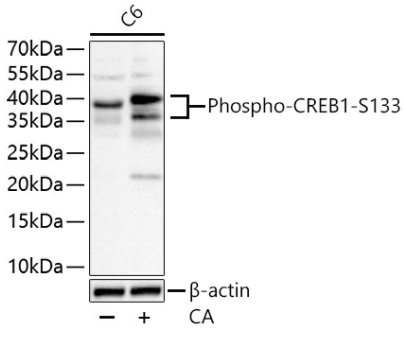
Western blot analysis of lysates from SK-N-MC cells using Phospho-CREB1-S133 Rabbit mAb (AP1549) at 1:10000 dilution incubated at room temperature for 1.5 hours. SK-N-MC cells were treated with Forskolin(30 uM) and IBMX (0.5 mM) at 37℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



Western blot analysis of lysates from HeLa cells using Phospho-CREB1-S133 Rabbit mAb (AP1549) at 1:6000 dilution incubated overnight at 4℃. HeLa cells treated with CA (100 nM) at 37℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.

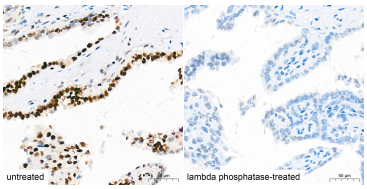


Western blot analysis of lysates from NIH/3T3 cells using Phospho-CREB1-S133 Rabbit mAb (AP1549) at 1:6000 dilution incubated overnight at 4℃. NIH/3T3 cells treated with CA (50 nM) at 37℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.

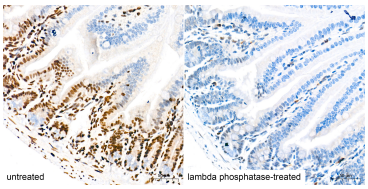


Western blot analysis of lysates from C6 cells using Phospho-CREB1-S133 Rabbit mAb (AP1549) at 1:6000 dilution incubated overnight at 4℃. C6 cells treated with CA (200 nM) at 37℃ for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60 s.

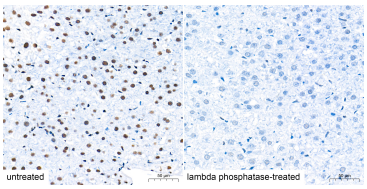
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using Phospho-CREB1-S133 Rabbit mAb (AP1549) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using Phospho-CREB1-S133 Rabbit mAb (AP1549) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue using Phospho-CREB1-S133 Rabbit mAb (AP1549) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.