

Datasheet for ABIN7201902
anti-CREB1 antibody (pSer133)



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4 Images

Overview

Quantity:	100 µL
Target:	CREB1
Binding Specificity:	pSer133
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CREB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

Product Details

Purpose:	CREB-1 (phospho Ser133) Polyclonal Antibody
Immunogen:	Synthesized peptide derived from human CREB-1 Phospho-Ser133
Isotype:	IgG
Specificity:	Phospho-CREB-1 (S133) Polyclonal Antibody detects endogenous levels of CREB-1 protein only when phosphorylated at S133.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	CREB1
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Target Details

Alternative Name: [CREB-1 \(CREB1 Products\)](#)

Background: Rabbit Anti-CREB-1 (phospho Ser133) Polyclonal Antibody, CREB1, Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, 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., Cyclic AMP-responsive element-binding protein 1

Gene ID: 1385

UniProt: [P16220](#)

Pathways: [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Thyroid Hormone Synthesis](#), [Activation of Innate immune Response](#), [Myometrial Relaxation and Contraction](#), [Regulation of Cell Size](#), [Toll-Like Receptors Cascades](#), [G-protein mediated Events](#), [Interaction of EGFR with phospholipase C-gamma](#), [Positive Regulation of fat Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), IHC-P (1:100-1:300), IP (2-5 µg/mg lysate), ELISA (1:10000). Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

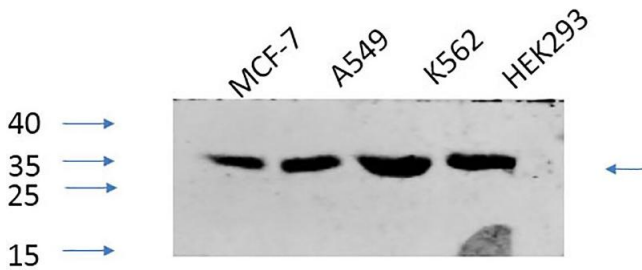
Storage: -20 °C

Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images

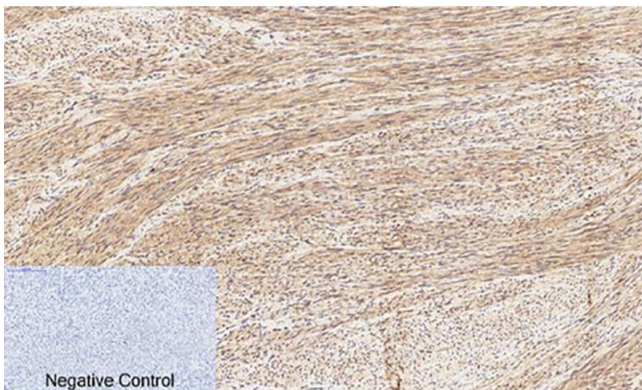
Western Blotting

Image 1. Western Blot analysis of MCF-7 (1), A549 (2), K562 (3), HEK293 (4), diluted at 1:1000.



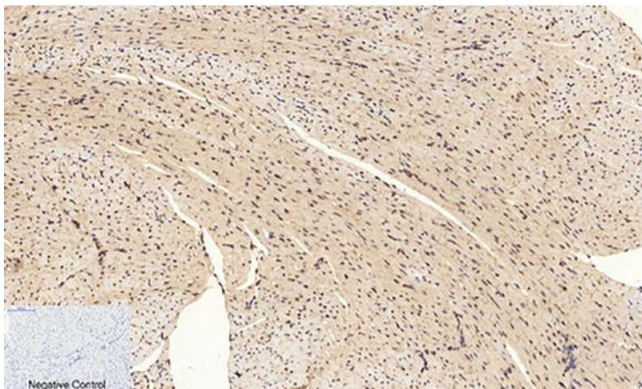
Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human uterus tissue. 1, CREB-1 (phospho Ser133) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded mouse heart tissue. 1, CREB-1 (phospho Ser133) Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Images

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7201902.