Anti-Phospho-CREB1 (Ser133) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108407

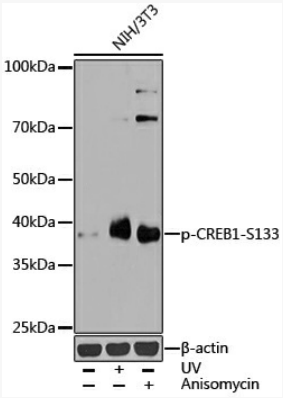
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S133 of human CREB1 (NP_604391.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-CREB1 (Ser133) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

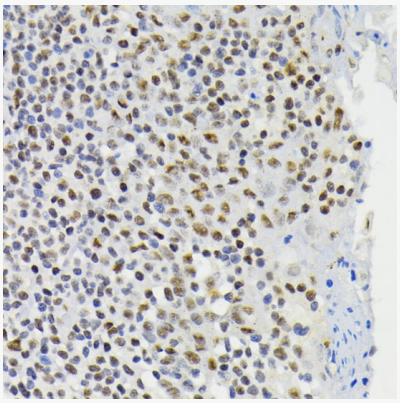
Protein Information

Synonyms	CREB; CREB-1; Phospho-CREB1-S133.
Calculated MW	Calculated MW: 35 kDa; Observed MW: 40 kDa
Uniprot ID	P16220
Gene ID	1385
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.

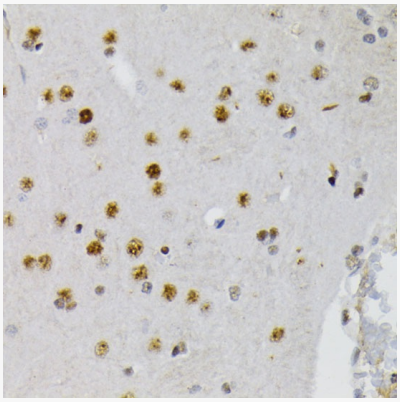
Validation Images



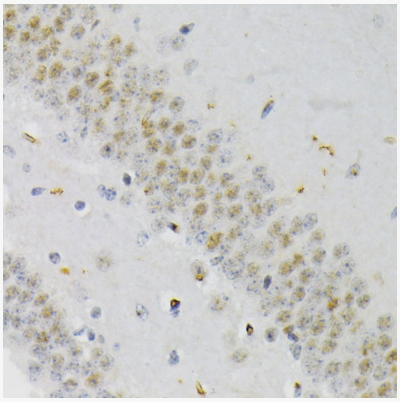
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-CREB1-S133 Rabbit pAb (P108407) at 1:1,000 dilution. NIH/3T3 cells were treated by UV at room temperature for 15-30 minutes or treated by Anisomycin (25 µg/mL) at 37°C for 30 minutes.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Phospho-CREB1-S133 Rabbit pAb (P108407) at dilution of 1:200 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using Phospho-CREB1-S133 Rabbit pAb (P108407) at dilution of 1:200 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using Phospho-CREB1-S133 Rabbit pAb (P108407) at dilution of 1:200 (40× lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.