Product Datasheet

CREB(Ab-133) Antibody

Catalog No: #21052

Package Size: #21052-1 50ul #21052-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	CREB(Ab-133) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total CREB protein and it also detects the CREB-related protein ATF-1.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 131~135 (R-P-S-Y-R) derived from Human CREB.
Target Name	CREB
Other Names	CREB-1; CREB1;
Accession No.	Swiss-Prot: P16220NCBI Protein: NP _004370.1
Uniprot	P16220
GeneID	1385;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

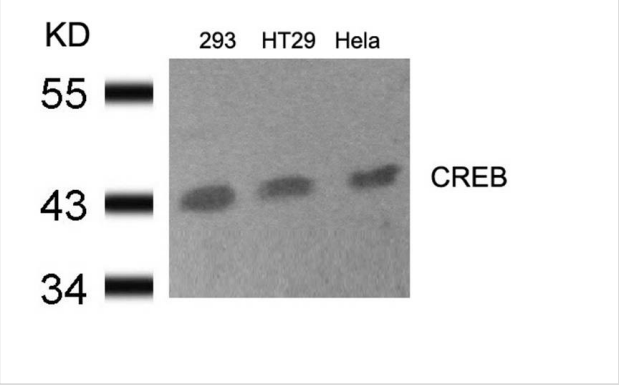
Application Details

Predicted MW: 43kd

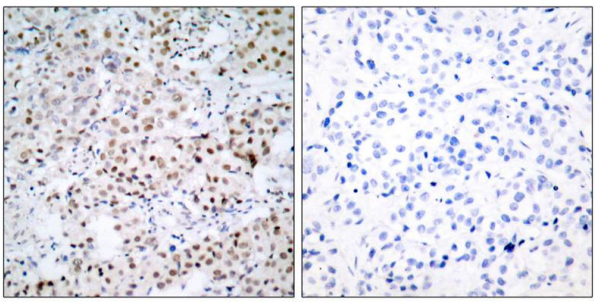
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293, HT29 and Hela cells using CREB(Ab-133) Antibody #21052.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB(Ab-133) Antibody #21052(left) or the same antibody preincubated with blocking peptide(right).

Background

This protein binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. CREB stimulates transcription on binding to the CRE. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Implicated in synchronization of circadian rhythmicity.

Xing J, et al. (1998) Mol Cell Biol 18(4): 1946-55.

Tan Y, et al.(1996) EMBO J; 15(17): 4629-42.

Hao, M. et al. (1996) J. Biol. Chem. 271, 29380-29385.

Mayo LD, et al. (2001) Biol Chem; 276(27): 25184-9.

Lu, H. et al. (1997) Mol. Cell. Biol. 17, 5923-5934.

Note: This product is for in vitro research use only