CREB(Ab-142) Antibody

Catalog No: #21300

Package Size: #21300-1 50ul #21300-2 100ul

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

Description

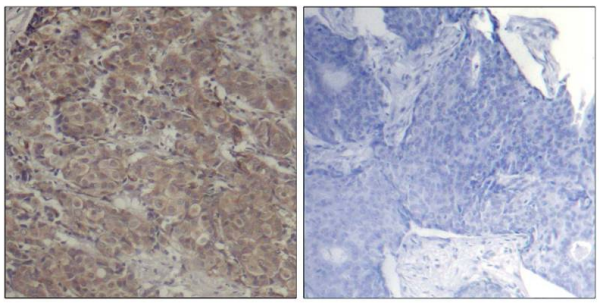
Product Name	CREB(Ab-142) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total CREB protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.140~144 (D-L-S-S-D) derived from Human CREB.
Conjugates	Unconjugated
Target Name	CREB
Other Names	CREB-1; CREB1;
Accession No.	Swiss-Prot: P16220NCBI Protein: NP_004370.1
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

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB(Ab-142) Antibody #21300(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.

Chrystelle V. Garat, et al. (2006) Mol. Cell. Biol ; 26: 4934 - 4948.

Lilah Rothem,et al. (2004) Mol. Pharmacol ; 66: 1536 - 1543.

Darren R. Tyson, et,al. (2002) Endocrinology; 143: 674.

Kyung-Woo Park, et al. (2003) Arterioscler. Thromb. Vasc. Biol ; 23: 1364.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.