CREB(Phospho-Ser129) Antibody

Catalog No: #11273

Package Size: #11273-1 50ul #11273-2 100ul #11273-4 25ul

Overview

Product Name	CREB(Phospho-Ser129) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	CREB
Modification	Phospho-Ser129
Alternative Names	CREB-1; CREB1;

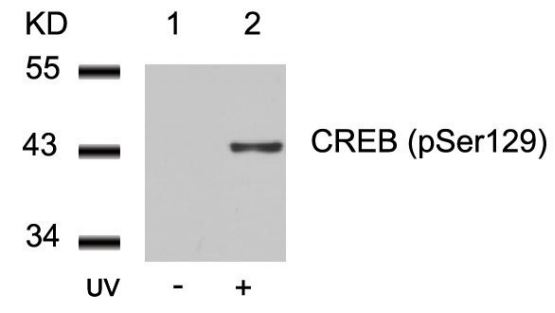
Application Details

Predicted MW: 43kd

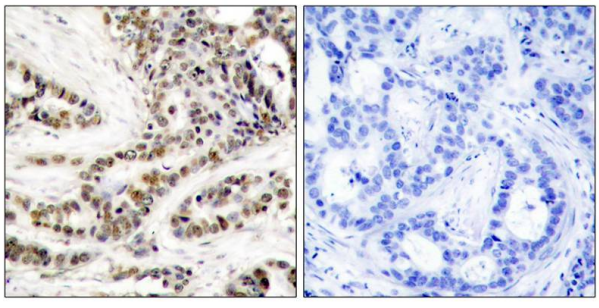
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells untreated(lane 1) or treated with UV(lane 2) using CREB(Phospho-Ser129) Antibody #11273.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB(Phospho-Ser129) Antibody #11273(left) or the same antibody preincubated with blocking peptide(right).

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 129 (I-L-S(p)-R-R) derived from Human CREB.
Specificity	The antibody detects endogenous level of CREB only when phosphorylated at serine 129.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
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.
Accession NO.	Swiss-Prot: P16220NCBI Protein: NP _004370.1

Related Information

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.