Signalway

CREB(Phospho-Ser129) Antibody

#11273

Catalog Number: 11273-1, 11273-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. : P16220

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human CREB around the phosphorylation site of serine 129 (I-L-SP-R-R).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site
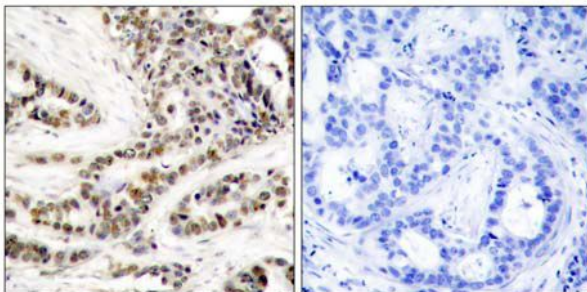
Specificity/Sensitivity: CREB (phospho-Ser129) antibody detects endogenous levels of CREB only when phosphorylated at serine 129.

Reactivity: Human, Mouse, Rat
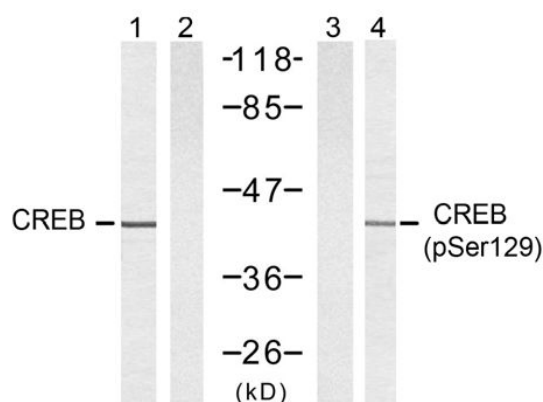
Applications:

Predicted MW: 43kd

WB: 1:500~1:1000   IHC: 1:50~1:100

P-Peptide   −   +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB (phospho-Ser129) antibody (#11273).

CREB —

CREB (pSer129)

-118-
−85−
−47−
−36−
−26−
(kD)

1 2   3 4

UV   − − − +

Peptide − + − −

Western blot analysis of extracts from 293 cells untreated or treated with UV, using CREB (Ab-129) antibody

(#21265, Lane 1 and 2) and CREB (phospho-Ser129)

antibody (#11273, Lane 3 and 4).

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

References：

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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