



CREB (Phospho-Ser142) Antibody

#11300

Catalog Number: 11300-1, 11300-2

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°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human CREB around the phosphorylation site of serine 142 (D-L-S_P-S-D).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

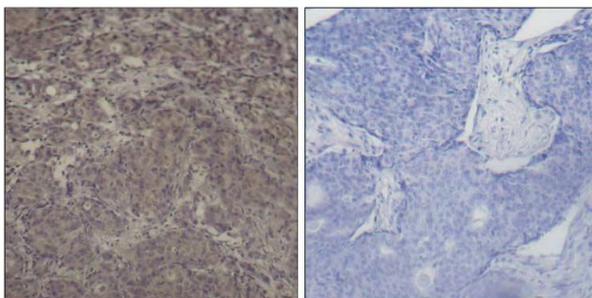
Specificity/Sensitivity: CREB (Phospho-Ser142) Antibody detects endogenous levels of CREB only when phosphorylated at serine 142.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 43kd

IHC: 1:50~1:100



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB (Phospho-Ser142) Antibody (#11300).

p-Peptide -

+

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:

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.