

35-1271: Polyclonal Antibody to CREB(Phospho-Ser142)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human,Mouse,Rat
Gene :	CREB1
Gene ID :	1385
Uniprot ID :	P16220
Format :	Purified
Alternative Name :	CREB
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around phosphorylation site of serine 142(D-L-S(p)-S-D) derived from Human CREB.

Description

Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.

Product Info

Amount :	50 μ l / 100 μ l
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 43kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

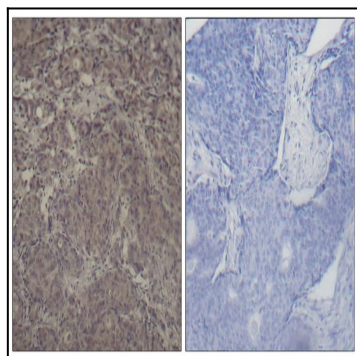


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB (Phospho-Ser142) Antibody (35-1271).

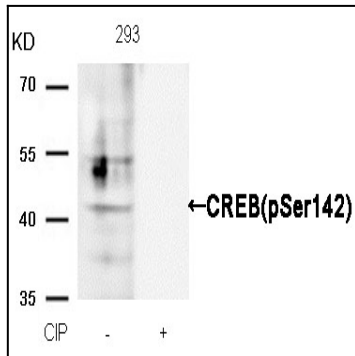


Figure 2: Western blot analysis of extracts from 293 cells, treated with calf intestinal phosphatase (CIP), using CREB(Phospho-Ser142) Antibody 35-1271 .