

35-1407: Polyclonal Antibody to CREB (Ab-133)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human,Mouse
Gene :	CREB1
Gene ID :	1385
Uniprot ID :	P16220
Format :	Purified
Alternative Name :	CREB-1, CREB1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa. 131~135 (R-P-S-Y-R) derived from Human CREB.

Description

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.

Product Info

Amount :	50 µl / 100 µl
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

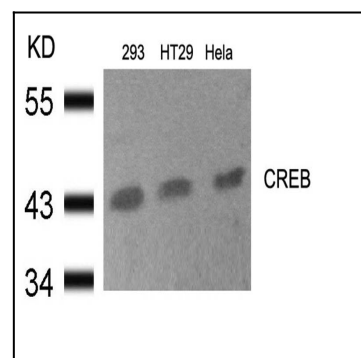


Figure 1: Western blot analysis of extracts from 293, HT29 and HeLa cells using CREB(Ab-133) Antibody 35-1407 .

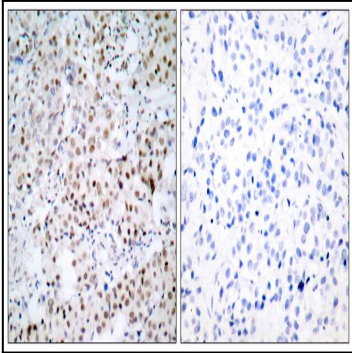


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CREB(Ab-133) Antibody 35-1407 (left) or the same antibody preincubated with blocking peptide(right).