

## Anti-CREB1 Antibody (9J76)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse, Rat
Conjugation:	Unconjugated
Clone:	9J76
Purification:	Affinity-chromatography

## Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: K562 whole cell lysate, THP-1 whole cell lysate, Mouse brain tissue lysate, Rat brain tissue lysate,</li><li>-All lanes: CREB antibody at 1:1000</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 36 kDa</li><li>-Observed band size: 36 kDa</li></ul> <p>2. Overlay Peak curve showing Jurkat cells stained with TMAH-00298 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG (H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10<sup>6</sup> cells) used under the same conditions. Acquisition of &gt;10,000 events was performed.</p>
Application:	ELISA, WB, FCM
Recommended	WB:1:500-1:2000; FCM:1:50-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human CREB1
Antigen Species:	Human
Gene ID:	1385
Uniprot ID:	P16220
Biology Area:	Epigenetics and Nuclear Signaling, Immunology

## Research Background

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-119 phosphorylation. Involved in different

cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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