



## CREB (Phospho-Ser121) Antibody

E11-0471A

**Catalog Number:** E11-0471A

**Concentration:** 1mg/ml

**Swiss-Prot No.:** P16220

**Other Names:** CREB-1, CREB1, cAMP-response element binding protein

**All Sites:** Human: Ser121; Mouse: Ser121; Rat: Ser121

**Storage/Stability:** Store at -20°C/1 year

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human CREB around the phosphorylation site of serine121 (T-D-S<sup>P</sup>-Q-K).

**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:** CREB (Phospho-Ser121) antibody detects endogenous levels of CREB only when phosphorylated at serine 121.

**Reactivity:** Human, Mouse, Rat

**Applications:** WB: 1:500~1:1000      ELISA: 1:5000~1:10000

**References:**

Lionel Groussin, J. Clin. Endocrinol. Metab., Jan 2000; 85: 345 - 354.

Deepa B. Shankar, Blood (ASH Annual Meeting Abstracts), Nov 2005; 106: 367.

LA Berkowitz and MZ Gilman, PNAS, Jul 1990; 87: 5258.

Michelle L. Kingsley-Kallesen, J. Biol. Chem., Nov 1999; 274: 34020.

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