ELK Biotechnology

# C/EBP α (phospho Thr226) rabbit pAb

## Cat No.:ES4487

**For research use only**

**Overview**

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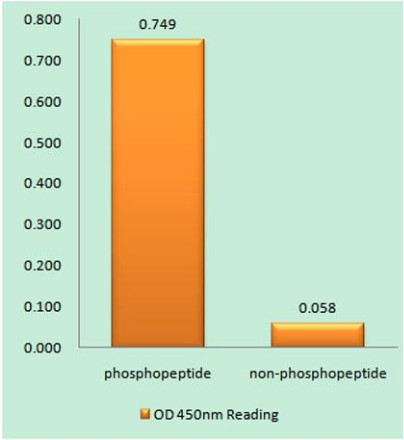
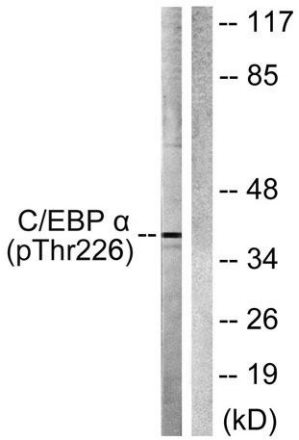
|---|---|
| **Product Name** | C/EBP α (phospho Thr226) rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat;Monkey |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human C/EBP-alpha around the phosphorylation site of Thr226. AA range:192-241 |
| **Specificity** | Phospho-C/EBP α (T226) Polyclonal Antibody detects endogenous levels of C/EBP α protein only when phosphorylated at T226. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | CCAAT/enhancer-binding protein alpha |
| **Gene Name** | CEBPA |
| **Cellular localization** | Nucleus .; [Isoform 4]: Nucleus, nucleolus . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 42,also have 30kd isform |
| **Human Gene ID** | 1050 |
| **Human Swiss-Prot Number** | P49715 |
| **Alternative Names** | CEBPA; CCAAT/enhancer-binding protein alpha; C/EBP alpha |
| **Background** | This intronless gene encodes a transcription factor that contains a basic leucine zipper (bZIP) domain and recognizes the CCAAT motif in the promoters of target genes. The encoded protein functions in |

homodimers and also heterodimers with CCAAT/enhancer-binding proteins beta and gamma. Activity of this protein can modulate the expression of genes involved in cell cycle regulation as well as in body weight homeostasis. Mutation of this gene is associated with acute myeloid leukemia. The use of alternative in-frame non-AUG (GUG) and AUG start codons results in protein isoforms with different lengths. Differential translation initiation is mediated by an out-of-frame, upstream open reading frame which is located between the GUG and the first AUG start codons. [provided by RefSeq, Dec 2013],




Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using C/EBP-alpha (Phospho-Thr226) Antibody




Western blot analysis of lysates from COS7 cells treated with EGF 200ng/ml 30', using C/EBP-alpha (Phospho-Thr226) Antibody. The lane on the right is blocked with the phospho peptide.