

# Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody

Catalog # ABO13123

## Product Information

---

|                          |                                                                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP, FC                                                                                                                                             |
| <b>Primary Accession</b> | <a href="#">P16220</a>                                                                                                                                               |
| <b>Host</b>              | Rabbit                                                                                                                                                               |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                           |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                                                    |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                           |
| <b>Format</b>            | Liquid                                                                                                                                                               |
| <b>Description</b>       | Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

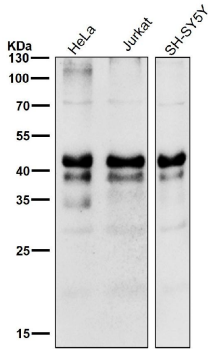
---

|                                 |                                                                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 1385                                                                                                                                       |
| <b>Other Names</b>              | Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, CREB1                                  |
| <b>Calculated MW</b>            | 35136                                                                                                                                      |
| <b>Application Details</b>      | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:40<br>FC 1:40                                                               |
| <b>Subcellular Localization</b> | Nucleus.                                                                                                                                   |
| <b>Source</b>                   | Eukaryota                                                                                                                                  |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b>              | Clone: IG-3                                                                                                                                |
| <b>Immunogen</b>                | A synthesized peptide derived from human Phospho-Creb (S133)                                                                               |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                  | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

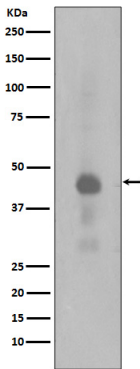
# Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | CREB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function          | 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 (By similarity). Transcription activation is enhanced by the TORC coactivators which act independently of Ser-119 phosphorylation (PubMed: <a href="#">14536081</a> ). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (By similarity). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity). |
| Cellular Location | Nucleus {ECO:0000255   PROSITE-ProRule:PRU00312, ECO:0000255   PROSITE-ProRule:PRU00978, ECO:0000269   PubMed:12552083}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

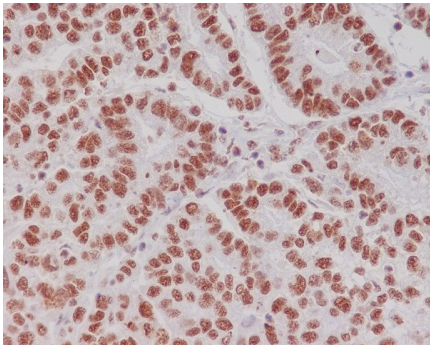
## Images



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.



Western blot analysis of Phospho-Creb(Ser133) expression in HeLa cell lysates treated with Calyculin A.



Immunohistochemical analysis of paraffin-embedded human gastric carcinoma, using Phospho-Creb (S133) Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.