

**Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody**  
**Catalog # ABO13123****Specification****Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | WB, IHC, IF, ICC, IP, FC |
| Primary Accession | <a href="#">P16220</a>   |
| Host              | Rabbit                   |
| Isotype           | Rabbit IgG               |
| Reactivity        | Rat, Human, Mouse        |
| Clonality         | Monoclonal               |
| Format            | Liquid                   |

**Description**

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.

**Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 1385

**Other Names**

Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, CREB1

**Calculated MW**

36688 MW KDa

**Application Details**

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

**Subcellular Localization**

Nucleus.

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Phospho-Creb (S133)

**Purification**

Affinity-chromatography

**Storage**

**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.**

**Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody - 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="http://www.uniprot.org/citations/14536081" target="\_blank">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).

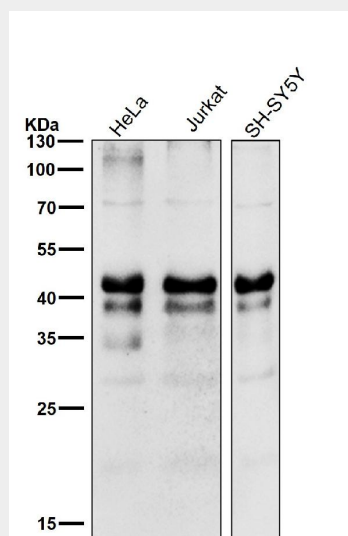
**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00312, ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12552083}

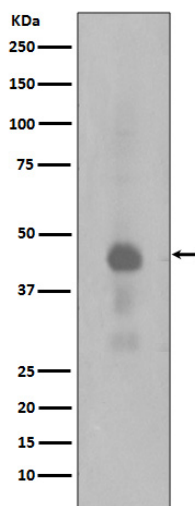
**Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

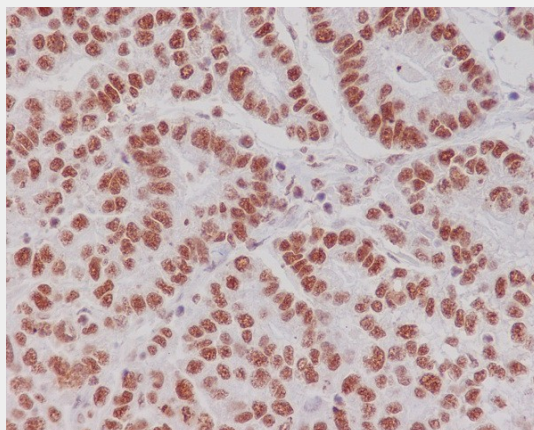
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Phospho-Creb (S133) CREB1 Rabbit Monoclonal Antibody - 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.