

Anti-CREB (pS121) Antibody
Rabbit polyclonal antibody to CREB (pS121)
Catalog # AP59523**Specification**

Anti-CREB (pS121) Antibody - Product Information

Application	WB, IHC
Primary Accession	P16220
Other Accession	Q01147
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Bovine, SARS
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35136

Anti-CREB (pS121) Antibody - Additional Information**Gene ID** 1385**Other Names**

Cyclic AMP-responsive element-binding protein 1; CREB-1; cAMP-responsive element-binding protein 1

Target/Specificity

Recognizes endogenous levels of CREB (pS121) protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CREB (pS121) 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: <http://www.uniprot.org/citations/14536081> target="_blank">14536081). 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).

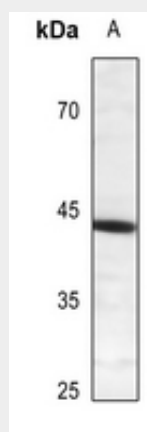
Cellular Location

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

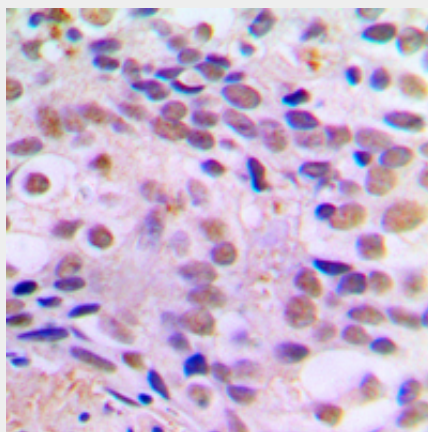
Anti-CREB (pS121) Antibody - Protocols

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](#)

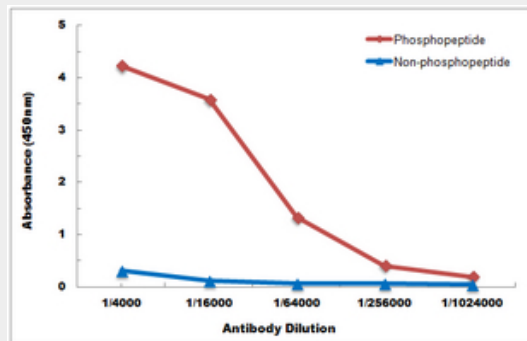
Anti-CREB (pS121) Antibody - Images

Western blot analysis of CREB (pS121) expression in DLD (A) whole cell lysates.



Immunohistochemical analysis of CREB (pS121) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen

retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Direct ELISA antibody dose-response curve using Anti-CREB (pS121) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Anti-CREB (pS121) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CREB. The exact sequence is proprietary.