

CREB1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12057**Specification**

CREB1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q01147
Other Accession	NM_009952 , NP_034082
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38kDa kDa

CREB1 antibody - N-terminal region - Additional Information**Gene ID** 12912**Alias Symbol** Creb, Creb-1, AV083133, 2310001E10Rik, 3526402H21Rik**Other Names**

Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, Creb1, Creb-1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CREB1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CREB1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CREB1 antibody - N-terminal region - Protein Information**Name** Creb1**Synonyms** Creb-1**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 (By similarity). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (PubMed:11970866, PubMed:21728997). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (PubMed:30566056).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00312, ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:21728997}

Tissue Location

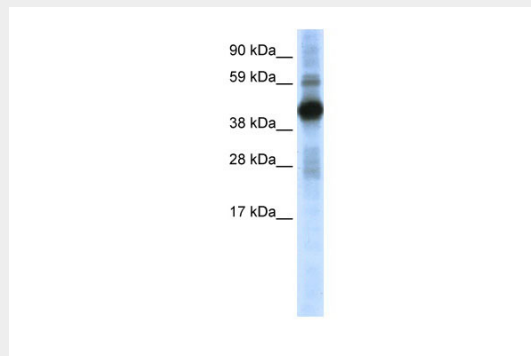
Expressed in the heart (at protein level).

CREB1 antibody - N-terminal region - 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](#)

CREB1 antibody - N-terminal region - Images



WB Suggested Anti-CREB1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: SP2/0 cell lysate

CREB1 antibody - N-terminal region - References

Pittenger, C., et al., (2006) J. Neurosci. 26(10), 2808-2813 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.