

## CBP Polyclonal Antibody

Catalog # AP68877

### Specification

#### CBP Polyclonal Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q92793</a> |
| Reactivity        | Human, Mouse           |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |

#### CBP Polyclonal Antibody - Additional Information

Gene ID 1387

#### Other Names

CREBBP; CBP; CREB-binding protein

#### Dilution

WB~~Western Blot: 1/500 - 1/2000.  
Immunohistochemistry: 1/100 - 1/300.  
Immunofluorescence: 1/200 - 1/1000.  
ELISA: 1/10000. Not yet tested in other applications.

#### Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

#### Storage Conditions

-20°C

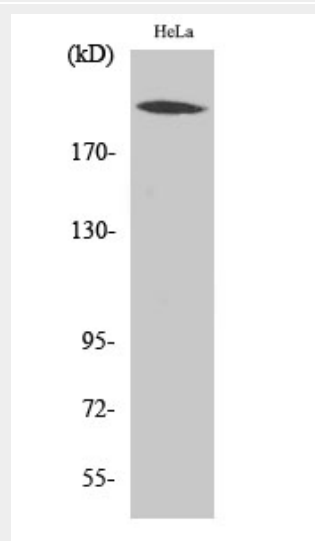
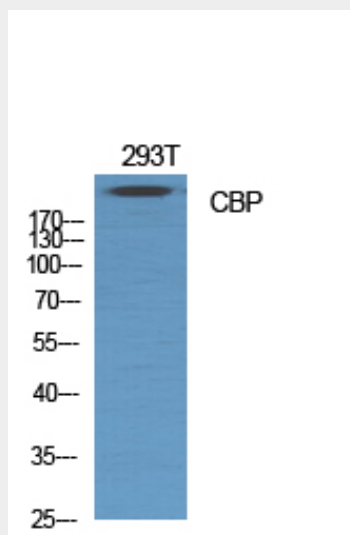
#### CBP Polyclonal Antibody - Protein Information

Name CREBBP

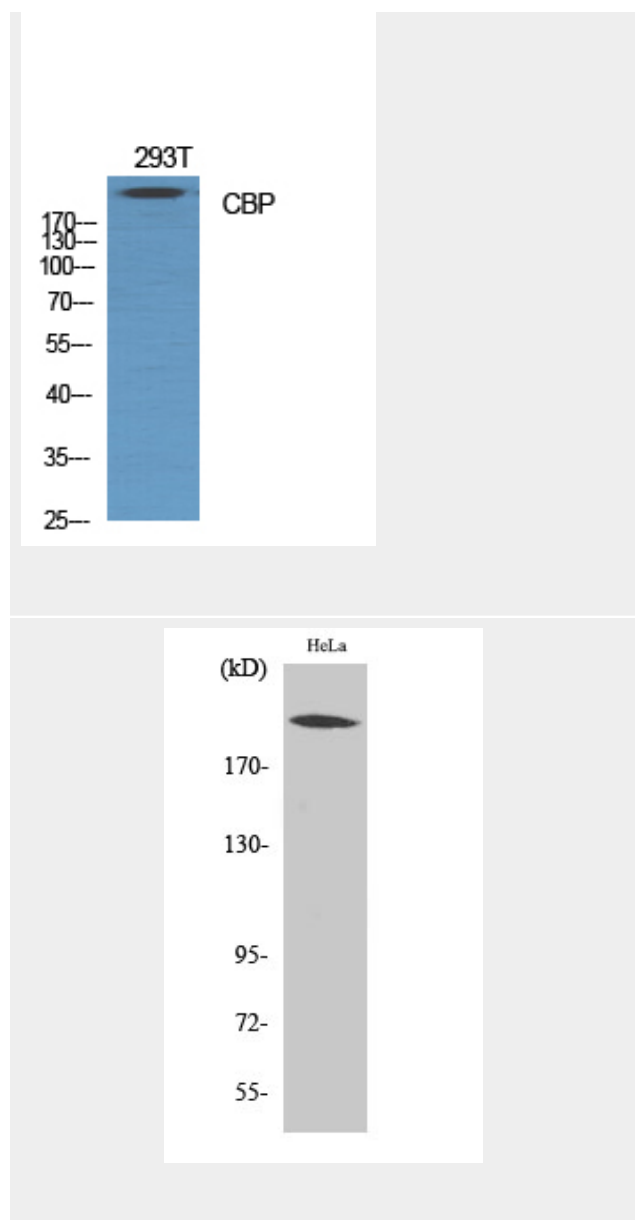
Synonyms CBP

#### Function

Acetylates histones, giving a specific tag for transcriptional activation (PubMed:<a href="http://www.uniprot.org/citations/24616510" target="\_blank">24616510</a>). Also acetylates non- histone proteins, like DDX21, FBL, IRF2, MAFG, NCOA3, POLR1E/PAF53 and FOXO1 (PubMed:<a href="http://www.uniprot.org/citations/10490106" target="\_blank">10490106</a>, PubMed:<a href="http://www.uniprot.org/ci



tations/11154691"  
target="\_blank">11154691</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/12738767"  
target="\_blank">12738767</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/12929931"  
target="\_blank">12929931</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/9707565"  
target="\_blank">9707565</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/24207024"  
target="\_blank">24207024</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/28790157"  
target="\_blank">28790157</a>,  
PubMed:<a href="http://www.uniprot.org/ci  
tations/30540930"  
target="\_blank">30540930</a>). Binds  
specifically to phosphorylated CREB and  
enhances its transcriptional activity toward  
cAMP-responsive genes. Acts as a  
coactivator of ALX1. Acts as a circadian  
transcriptional coactivator which enhances  
the activity of the circadian transcriptional  
activators: NPAS2-ARNTL/BMAL1 and  
CLOCK-ARNTL/BMAL1 heterodimers  
(PubMed:<a href="http://www.uniprot.org/c  
itations/14645221"  
target="\_blank">14645221</a>).  
Acetylates PCNA; acetylation promotes  
removal of chromatin-bound PCNA and its  
degradation during nucleotide excision  
repair (NER) (PubMed:<a href="http://www.  
uniprot.org/citations/24939902"  
target="\_blank">24939902</a>).  
Acetylates POLR1E/PAF53, leading to  
decreased association of RNA polymerase I  
with the rDNA promoter region and coding  
region (PubMed:<a href="http://www.unipr  
ot.org/citations/24207024"  
target="\_blank">24207024</a>).  
Acetylates DDX21, thereby inhibiting  
DDX21 helicase activity (PubMed:<a href="http://www.uniprot.org/citations/28790157"  
target="\_blank">28790157</a>).  
Acetylates FBL, preventing methylation of  
'Gln-105' of histone H2A (H2AQ104me)  
(PubMed:<a href="http://www.uniprot.org/c  
itations/30540930"  
target="\_blank">30540930</a>).  
Functions as a transcriptional coactivator  
for SMAD4 in the TGF-beta signaling  
pathway (PubMed:<a href="http://www.uni  
prot.org/citations/25514493"  
target="\_blank">25514493</a>).



### CBP Polyclonal Antibody - Background

Acetylates histones, giving a specific tag for transcriptional activation. Also acetylates non-histone proteins, like NCOA3 and FOXO1. Binds specifically to phosphorylated CREB and enhances its transcriptional activity toward cAMP-responsive genes. Acts as a coactivator of ALX1. Acts as a circadian transcriptional coactivator which enhances the activity of the circadian transcriptional activators: NPAS2-ARNTL/BMAL1 and CLOCK-ARNTL/BMAL1 heterodimers. Acetylates PCNA; acetylation promotes removal of chromatin-bound PCNA and its degradation during nucleotide excision repair (NER) (PubMed:24939902). Functions as a

**Cellular Location**

Cytoplasm. Nucleus. Note=Recruited to nuclear bodies by SS18L1/CREST. In the presence of ALX1 relocalizes from the cytoplasm to the nucleus

transcriptional coactivator for SMAD4 in the TGF-beta signaling pathway  
(PubMed:25514493).

**CBP Polyclonal 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](#)