



## Mouse Monoclonal Antibody **CREBBP** conjugated to Sepharose Beads

CatalogNo: **ANT8348-S**

Size 200ul

Storage Store at 4 °C for frequent use

### Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

### **CREBBP (ANT0026R) Rabbit mAb**

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

#### Host Species

- Rabbit

#### MW

- 300kD (Calculated)
- 300kD (Observed)

#### Reactivity

- Human, Mouse, Rat,

#### Isotype

- IgG, Kappa

#### Applications

- WB, IHC, IF, IP, ELISA

## **Recommended Dilution Ratios**

### **IP**

## **Basic Information**

#### Clonality

Monoclonal

Clone Number      ANT0026R

**Immunogen Information**

**Specificity**      Endogenous

**Gene name**      CREBBP CBP

**Protein Name**      CREB-binding protein (EC 2.3.1.48)

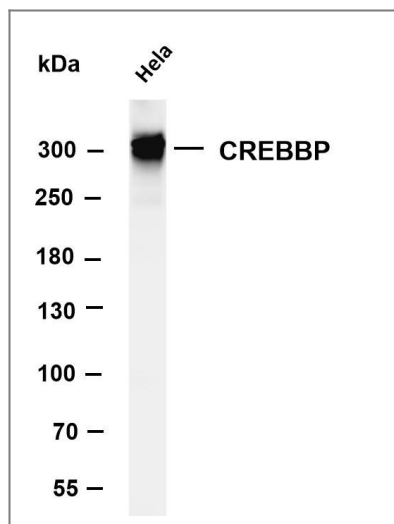
| Organism | Gene ID                | UniProt ID               |
|----------|------------------------|--------------------------|
| Human    | <a href="#">1387</a> ; | <a href="#">Q92793</a> ; |
| Mouse    |                        | <a href="#">P45481</a> ; |

**Cellular  
Localization**      Nucleus

**Function**      Acetylates histones, giving a specific tag for transcriptional activation . Also acetylates nonhistone proteins, like DDX21, FBL, IRF2, MAFG, NCOA3, POLR1E/PAF53 and FOXO1 . Binds specifically to phosphorylated CREB and enhances its transcriptional activity toward cAMPResponsive genes. Acts as a coactivator of ALX1. Acts as a circadian transcriptional coactivator which enhances the activity of the circadian transcriptional activators: NPAS2ARNTL/BMAL1 and CLOCK-ARNTL/BMAL1 heterodimers . Acetylates PCNA; acetylation promotes removal of chromatin-bound PCNA and its degradation during nucleotide excision repair (NER) . Acetylates POLR1E/PAF53, leading to decreased association of RNA polymerase I with the rDNA promoter region and coding region . Acetylates DDX21, thereby inhibiting DDX21 helicase activity . Acetylates FBL, preventing methylation of 'Gln-105' of histone H2A (H2AQ104me) . Functions as a transcriptional coactivator for SMAD4 in the TGF-beta signaling pathway .

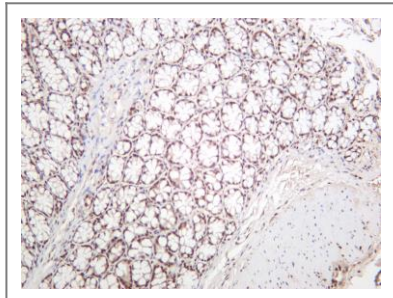
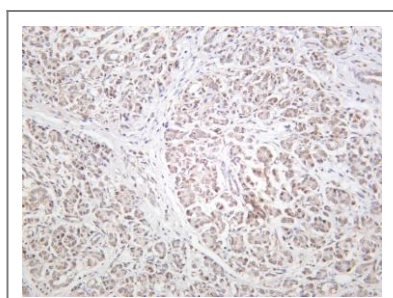
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## Validation Data



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-CREBBP (ANT0026R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Predicted band size: 300kDa Observed band size: 300kDa

Human pancreas was stained with anti-CREBBP (ANT0026R) rabbit antibody



Mouse colon was stained with anti-CREBBP (ANT0026R) rabbit antibody

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