

CREBBP (ANT0026R) Rabbit mAb

CatalogNo: ANT8348 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit

MW

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

Reactivity

- Human,Mouse,Rat,

Isotype

- IgG,Kappa

Applications

- WB,IHC,IF,IP,ELISA

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0026R

Target Information

Endogenous

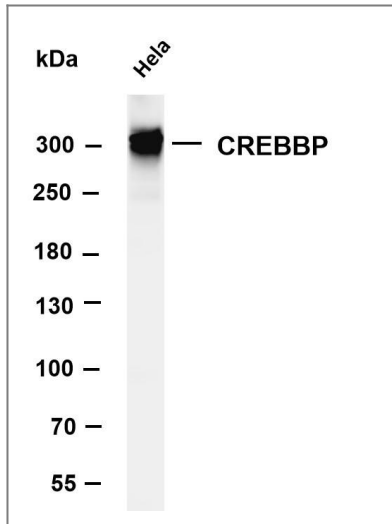
Gene name CREBBP CBP
Protein Name CREB-binding protein (EC 2.3.1.48)

Organism	Gene ID	UniProt ID
Human	1387 ;	Q92793 ;
Mouse		P45481 ;

Cellular Localization Nucleus

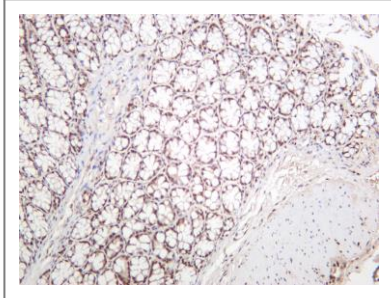
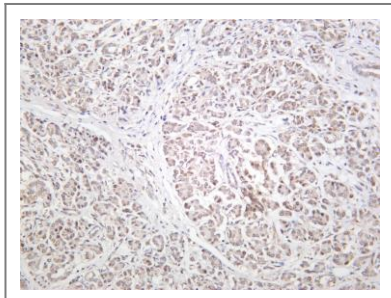
Function Acetylates histones, giving a specific tag for transcriptional activation . Also acetylates nonhistone proteins, like DDX21, FBL, IRF2, MAFG, NCOA3, POLR1E/PAF53 and FOXO1 . Binds specifically to phosphorylated CREB and enhances its transcriptional activity toward cAMPResponsive genes. Acts 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 .

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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