abcam

Product datasheet

Recombinant Human CREBBP protein ab56272

画像数1

製品の詳細

製品名 Recombinant Human CREBBP protein

精製度 > 90 % Densitometry.

発現系 Escherichia coli

タンパク質長 Protein fragment

Animal free No

由来 Recombinant

生物種 Human

領域 1319 to 1710

特性

Our Abpromise guarantee covers the use of ab56272 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション SDS-PAGE

製品の状態 Liquid

前処理および保存

保存方法および安定性 Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituents: 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 25% Glycerol (glycerin,

glycerine), 0.87% Sodium chloride

関連情報

機能 Acetylates histones, giving a specific tag for transcriptional activation. Also acetylates non-histone

proteins, like NCOA3 coactivator. Binds specifically to phosphorylated CREB and enhances its transcriptional activity toward cAMP-responsive genes. Acts as a coactivator of ALX1 in the

presence of EP300.

1

関連疾患 Note=Chromosomal aberrations involving CREBBP may be a cause of acute myeloid leukemias.

 $Translocation \ t(8;16)(p11;p13) \ with \ MYST3/MOZ; \ translocation \ t(11;16)(q23;p13.3) \ with \ MLL/HRX; \ translocation \ t(10;16)(q22;p13) \ with \ MYST4/MORF. \ MYST3-CREBBP \ may \ induce$

leukemia by inhibiting RUNX1-mediated transcription.

Defects in CREBBP are a cause of Rubinstein-Taybi syndrome type 1 (RSTS1) [MIM:180849]. RSTS1 is an autosomal dominant disorder characterized by craniofacial abnormalities, broad thumbs, broad big toes, mental retardation and a propensity for development of malignancies.

配列類似性 Contains 1 bromo domain.

Contains 1 KIX domain.

Contains 2 TAZ-type zinc fingers. Contains 1 ZZ-type zinc finger.

ドメイン The KIX domain mediates binding to HIV-1 Tat.

翻訳後修飾 Methylation of the KIX domain by CARM1 blocks association with CREB. This results in the

blockade of CREB signaling, and in activation of apoptotic response.

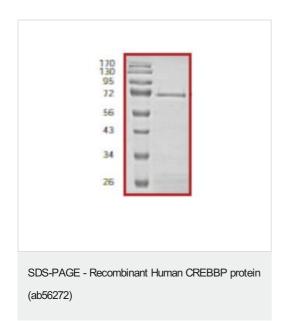
Phosphorylated upon DNA damage, probably by ATM or ATR.

Sumoylation negatively regulates transcriptional activity via the recruitment of DAAX.

細胞内局在 Cytoplasm. Nucleus. Recruited to nuclear bodies by SS18L1/CREST. In the presence of ALX1

relocalizes from the cytoplasm to the nucleus.

画像



ab56272 on SDS-PAGE.

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