

Recombinant human CREBBP protein ab167964

5 图像

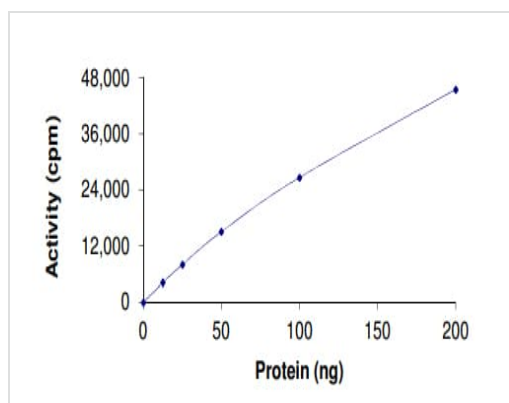
描述	
产品名称	重组人CREBBP蛋白
生物活性	The specific activity of ab167964 was determined to be 32 nmol/min/mg as per activity assay protocol.
纯度	> 90 % SDS-PAGE. Assessed by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<u>Q92793</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	<div>RK ENKFSAKRLQ TTRLGNHLED RVNKFLRRQN HPEAGEVFVR VVASSDKTVE VKPGMKSRFV DSGEMSESP YRTKALFAFE EIDGVDVCFE GMHVQEYGS CPPPNTRRVY ISYLDSEHFF RPRCLRTAVY HEILIGYLEY VKKLGYVTGH IWACPPSEGD DYIFHCHPPD QKIPKPKRLQ EWYKKMLDKA FAERIIHDYK DIFKQATEDR LTSAKELPYF EGDFWPNVLE ESIKELEQEE EERKKEESTA ASETTEGSQG DSKNAKKKNN KKTNNKNSI SRANKKKPSM PNVSNDLSQK LYATMEKHKE VFFVIHLHAG PVINTLPPIV DPDPLLSCDL MDGRDAFLTL ARDKHWEFSS LRRSKWSTLC MLVELHTQGQ DRFVYTCNEC</div>
预测分子量	72 kDa including tags
氨基酸	1319 to 1710
标签	proprietary tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab167964** in the following tested applications.

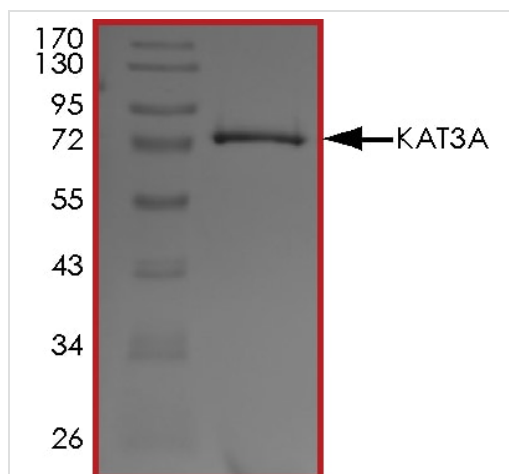
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Western blot Functional Studies SDS-PAGE
形式	Liquid
制备和贮存	
稳定性和存储	<p>Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.</p> <p>pH: 7.50</p> <p>Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.29% Sodium chloride</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
常规信息	
功能	<p>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.</p>
疾病相关	<p>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.</p> <p>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.</p>
序列相似性	<p>Contains 1 bromo domain.</p> <p>Contains 1 KIX domain.</p> <p>Contains 2 TAZ-type zinc fingers.</p> <p>Contains 1 ZZ-type zinc finger.</p>
结构域	<p>The KIX domain mediates binding to HIV-1 Tat.</p>
翻译后修饰	<p>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.</p> <p>Phosphorylated upon DNA damage, probably by ATM or ATR.</p> <p>Sumoylation negatively regulates transcriptional activity via the recruitment of DAAX.</p>
细胞定位	<p>Cytoplasm. Nucleus. Recruited to nuclear bodies by SS18L1/CREST. In the presence of ALX1 relocalizes from the cytoplasm to the nucleus.</p>
图片	



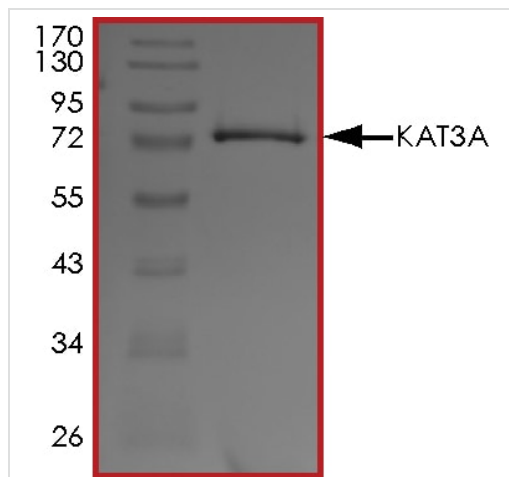
The specific activity of CREBBP (ab167964) was determined to be 33 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human CREBBP protein (ab167964)



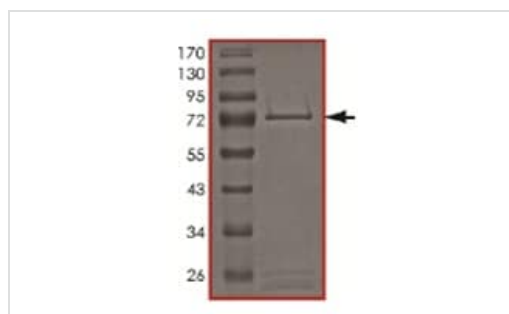
SDS PAGE analysis of ab167964

SDS-PAGE - Recombinant human CREBBP protein (ab167964)



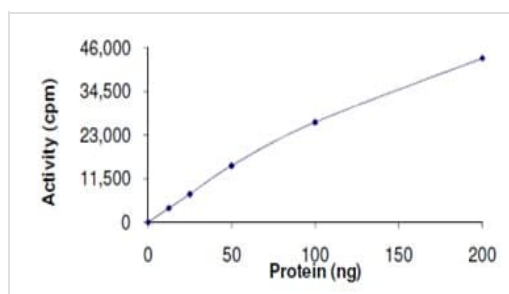
SDS PAGE analysis of ab167964

SDS-PAGE - Recombinant human CREBBP protein (ab167964)



SDS Page analysis of ab167964

SDS-PAGE - Recombinant human CREBBP protein (ab167964)



The specific activity of ab167964 was determined to be 32 nmol/min/mg as per activity assay protocol.

Functional Studies - Recombinant human CREBBP protein (ab167964)

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