abcam

Product datasheet

Recombinant Human KAT13D / CLOCK protein ab153001

1 图像

描述

产品名称	重组人KAT13D / CLOCK蛋白
表达系统	Wheat germ
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	PVMSQATNLPIPQGMSQFQFSAQLGAMQHLKDQLEQRTRMIEANIHRQQE ELRKIQEQLQMVHGQGLQMFLQQSNPGLNFGSVQLSSGNSSNIQQLAPIN
氨基酸	497 to 596
标签	GST tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab153001** in the following tested applications.

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

应用	ELISA
	Western blot
形式	Liquid
补充说明	

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.
	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

常规信息

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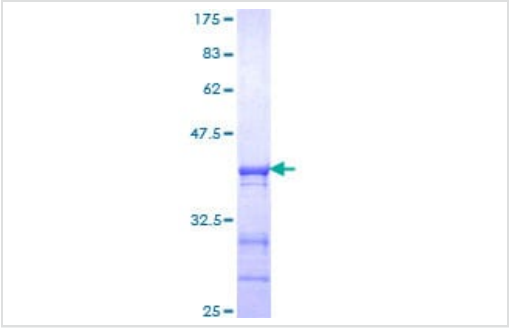
功能	ARNTL/2-CLOCK heterodimers activate E-box element (3'-CACGTG-5') transcription of a number of proteins of the circadian clock. Activates transcription of PER1 and PER2. This transcription is inhibited in a feedback loop by PER and CRY proteins. Has intrinsic histone acetyltransferase activity and this enzymatic function contributes to chromatin-remodeling events implicated in circadian control of gene expression (By similarity). Acetylates primarily histones H3 and H4 (By similarity). Acetylates also a non-histone substrate: ARNTL.
组织特异性	Expressed in all tissues examined including spleen, thymus, prostate, testis, ovary, small intestine, colon, leukocytes, heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Highest levels in testis and skeletal muscle. Low levels in thymus, lung and liver. Expressed in all brain regions with highest levels in cerebellum. Highly expressed in the suprachiasmatic nucleus (SCN).
序列相似性	Contains 1 basic helix-loop-helix (bHLH) domain. Contains 1 PAC (PAS-associated C-terminal) domain. Contains 2 PAS (PER-ARNT-SIM) domains.
翻译后修饰	Phosphorylation is dependent on CLOCK-ARNTL heterodimer formation.
细胞定位	Cytoplasm. Nucleus. Shuffling between the cytoplasm and the nucleus is under circadian regulation and is ARNTL-dependent. Phosphorylated form located in the nucleus.

图片



SDS-PAGE - Recombinant Human KAT13D / CLOCK protein (ab153001)

ab153001 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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