

产品名称: ATF4 Mouse Monoclonal Antibody
产品货号: AMM81816



产品概述 (Summary)

产品名称 (Production Name)	ATF4 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ATF4
别名 (Alternative Names)	CREB2; TXREB; CREB-2; TAXREB67
基因 ID (Gene ID)	468.0
蛋白 ID (SwissProt ID)	P18848.Purified recombinant fragment of human ATF4 (AA: 212-351) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	38.6kDa

研究背景 (Background)

This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding

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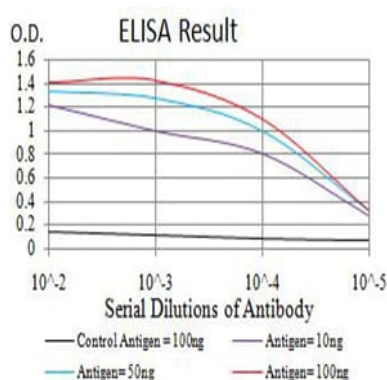


protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication.

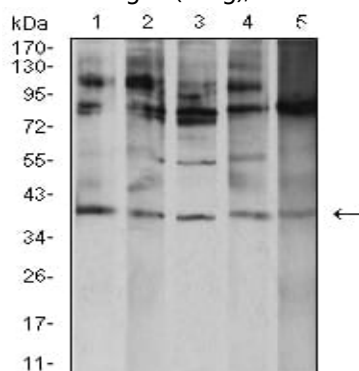
研究领域 (Research Area)

PI3K-Akt signaling pathway, MAPK signaling pathway

图片 (Image Data)

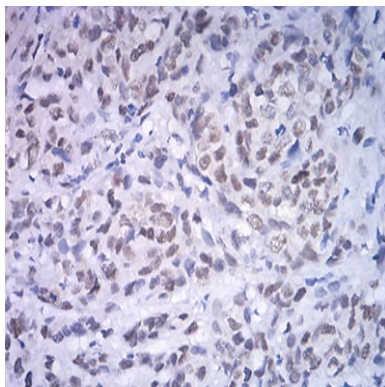


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

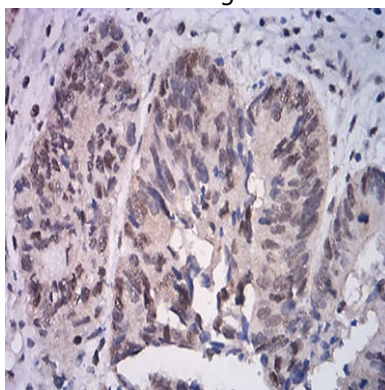


Western blot analysis using ATF4 mouse mAb against K562 (1), A431 (2), HeLa (3), HEK293 (4), and Ramos (5) cell lysate.

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Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using ATF4 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human rectum cancer tissues using ATF4 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .