

产品名称: CRTC1 Mouse Monoclonal Antibody
产品货号: AMM03451



产品概述 (Summary)

产品名称 (Production Name)	CRTC1 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB, ICC/IF, FC, IP
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)	IgG2b
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CRTC1
别名 (Alternative Names)	MECT1; TORC1; WAMTP1; FLJ14027; KIAA0616; CRTC1
基因 ID (Gene ID)	23373
蛋白 ID (SwissProt ID)	Q6UUV9.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000, ICC/IF 1:50-1:200, FC 1:50-1:100, IP 1:20-1:50
蛋白分子量 (Molecular Weight)	Calculated MW: 67 kDa; Observed MW: 78 kDa

研究背景 (Background)

MECT1 (also known as MucoEpidermoid Carcinoma Translocated 1) functions as a transcriptional coactivator for CREB1,

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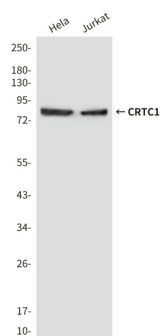


which activates transcription through both consensus and variant cAMP response element (CRE) sites. MECT1 does not appear to modulate CREB1 DNA-binding activity but enhances the interaction of CREB1 with TAF4/TAFII-130. MECT1 translocates with MAML2 (MasterMind-Like Protein 2) to yield a fusion oncogene: t(11;19) (q21;p13). This translocation occurs in mucoepidermoid carcinomas, benign Warthin tumors and clear cell hidradenomas. The novel fusion product that results disrupts the Notch signaling pathway. The fusion protein consists of the N-terminus of MECT1 joined to the C-terminus of MAML2. The reciprocal fusion protein consisting of the N-terminus of MAML2 joined to the C-terminus of MECT1 has been detected in a small number of mucoepidermoid carcinomas. Multiple isoforms have been reported for the MECT1 protein. Tissue specificity: Highly expressed in adult and fetal brain. Located to specific regions such as the prefrontal cortex and cerebellum. Very low expression in other tissues such as heart, spleen, lung, skeletal muscle, salivary gland, ovary and kidney.

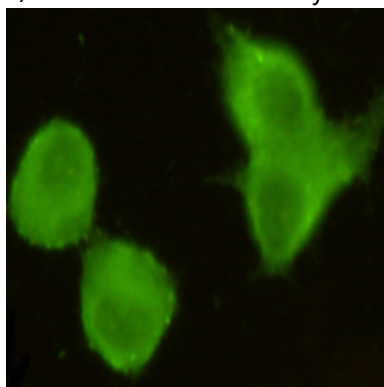
研究领域 (Research Area)

Signal Transduction

图片 (Image Data)

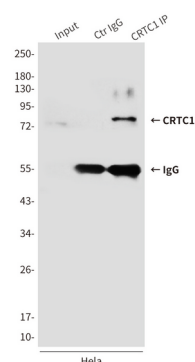


Western blot analysis of MECT1 / Torc1 in HeLa and Jurkat lysates using MECT1 / Torc1 antibody.

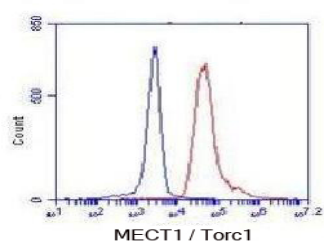


Immunocytochemistry analysis of CRTC1 in HeLa using MECT1 / Torc1 antibody.

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Immunoprecipitation analysis of CRTC1 in HeLa cell lysates using MECT1 / Torc1 antibody.



Flow Cytometry analysis of CRTC1 in K562 cells using CRTC1 antibody (red). Blue line histogram represents the isotype control.

注意事项 (Note)

For research use only .