

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

CRTC1 MOUSE MAB

Cat.#: N261045

Product Name: Anti-CRTC1 Mouse Monoclonal Antibody

Synonyms: MECT1; TORC1; WAMTP1; FLJ14027; KIAA0616; CRTC1

UNIPROT ID: Q6UUV9

Background: MECTI (also known as MucoEpidermoid Carcinoma

Translocated 1) functions as a transcriptional coactivator for CREB1, which activates transcription through both consensus and variant cAMP response element (CRE) sites. MECTI does not appear to modulate CREBI 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 MECTI joined to the C-terminus of MAML2. The reciprocal fusion protein consisting of the N-terminus of MAML2 joined to the C-terminus of MECTI has been detected in a small number of mucoepidermoid carcinomas. Multiple isoforms have been reported for the MECTI 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.

Immunogen: Purified recombinant human MECT1 / Torc1 protein fragments expressed in E.coli.

Applications: WB,ICC/IF,IP,FC

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20 FC:

1/50-1/100

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 3D7-E5-D9

MW: Calculated MW: 67 kDa; Observed MW: 78 kDa

Isotype: IgG2b

Purification: Affinity Purified
Species Reactivity: Human
Conjugation: Unconjugated
Modification: Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

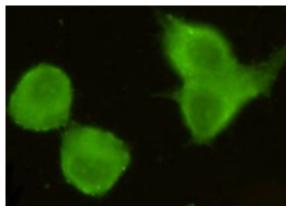


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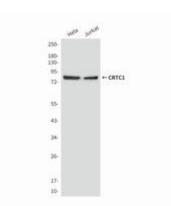
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Research Areas: Signal Transduction

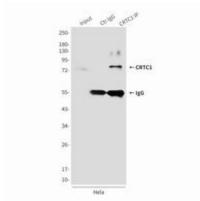
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



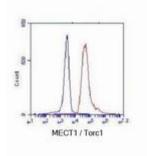
Immunocytochemistry analysis of Western blot analysis of MECTI / CRTC1 in Hela using MECT1 / Torc1 antibody.



Torcl in Hela and Jurkat lysates using MECTI / Torcl antibody.



Immunoprecipitation analysis of CRTC1 in Hela cell lysates using MECTI / Torcl antibody.



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