
CRTC1 (1B5) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 253035

Unit: 0.1 ml

Description:

MECT1 (MucoEpidermoid Carcinoma Translocated 1) is a transcriptional coactivator for CREB1. CREB1 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. MECT1 is 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.

Isotype: Mouse IgG1

Applications: WB, IF

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: CREB-regulated transcription coactivator 1; Mucoepidermoid carcinoma translocated protein 1; Transducer of regulated cAMP response element-binding protein 1; TORC-1; Transducer of CREB protein 1; KIAA0616; MECT1; TORC1; WAMTP1; CRTC1

Accession No.: Q6UUV9

Antigen: Purified recombinant fragment of human CRTC1 expressed in *E. coli*.

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.

Application Notes: WB: 1:500-1:2000; IF: 1:200-1:1000;

Abbiotec, LLC • 7985 Dunbrook Rd, Ste A, San Diego, CA 92126 • USA
Ph: 858.586.0500 • Fax: 858.586.6252 • Email: info@abbiotec.com • www.abbiotec.com