

Mouse anti-Human MECT1 / Torc1 Monoclonal Antibody | anti-CRTC1 antibody

MECT1 / Torc1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290441	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunocytochemistry, Western Blot

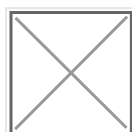
PRODUCT SYNONYMS

MECT1 / Torc1; Monoclonal Antibody; MECT1 / Torc1 Antibody; Purified Mouse Monoclonal Antibody (Mab); KIAA0616; CREB regulated transcription coactivator 1; CREB-regulated transcription coactivator 1; CRTC1; CRTC1_HUMAN; FLJ14027; MECT 1; Mucoepidermoid carcinoma translocated 1; Mucoepidermoid carcinoma translocated protein 1; TORC-1; TORC1; Transducer of CREB protein 1; Transducer of regulated cAMP response element binding protein 1; Transducer of regulated cAMP response element-binding protein (CREB) 1; Transducer of regulated cAMP response element-binding protein 1; WAMTP1.; anti-CRTC1 antibody

PRODUCT SPECIFICATIONS

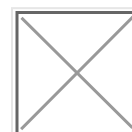
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sequence Length	650
Applicable Applications for anti-CRTC1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



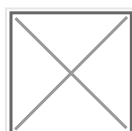
FCM/FACS (Flow Cytometry)

Flow Cytometry analysis of K562 cells stained with TORC1(N-terminus) (red, 1/100 dilution), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.



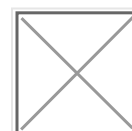
IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysate using MECT1 / Torc1 mouse mAb.



ICC (Immunocytochemistry)

Immunocytochemistry stain of HeLa using MECT1 / Torc1 mouse mAb (1:300).



WB (Western Blot)

Western blot detection of MECT1 / Torc1 in HeLa and Jurkat lysates using MECT1 / Torc1 mouse mAb (1:1000 diluted). Predicted band size: 78KDa. Observed band size: 78KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CRTC1 antibody	Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites. Acts as a coactivator, in the SIK/TORC signaling pathway, being active when dephosphorylated and acts independently of CREB1 'Ser-133' phosphorylation. Enhances the interaction of CREB1 with TAF4. Regulates the expression of specific CREB-activated genes such as the steroidogenic gene, StAR. Potent coactivator of PGC1alpha and inducer of mitochondrial biogenesis in muscle cells. Also coactivator for TAX activation of the human T-cell leukemia virus type 1 (HTLV-1) long terminal repeats (LTR). In the hippocampus, involved in late-phase long- term potentiation (L-LTP) maintenance at the Schaffer collateral- CA1 synapses. May be required for dendritic growth of developing cortical neurons (By similarity). In concert with SIK1, regulates the light-induced entrainment of the circadian clock. In response to light stimulus, coactivates the CREB-mediated transcription of PER1 which plays an important role in the photic entrainment of the circadian clock.
Product Categories/Family for anti-CRTC1 antibody	Metabolism; Signal Transduction
References	hourgenko V.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:12147-12152(2003). Tonon G.,et al.Nat. Genet. 33:208-213(2003). Tonon G.,et al.Nat. Genet. 33:408-408(2003). Ota T.,et al.Nat. Genet. 36:40-45(2004). Grimwood J.,et al.Nature 428:529-535(2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	148596988
NCBI GeneID	23373
NCBI Accession #	NP_001091952.1
NCBI GenBank Nucleotide #	NM_001098482.1
UniProt Accession #	Q6UUV9; O75114; Q6Y3A3; Q7LDZ2; Q8IUL3; Q8IZ34; Q8IZL1; Q8N6W3; Q96AI8; Q9H801; A6NMG5
Molecular Weight	67300
NCBI Official Full Name	CREB-regulated transcription coactivator 1 isoform 3
NCBI Official Synonym Full Names	CREB regulated transcription coactivator 1
NCBI Official Symbol	CRTC1
NCBI Official Synonym Symbols	MECT1; TORC1; TORC-1; WAMTP1
NCBI Protein Information	CREB-regulated transcription coactivator 1
UniProt Protein Name	CREB-regulated transcription coactivator 1
UniProt Gene Name	CRTC1
UniProt Synonym Gene Names	TORC-1; Transducer of CREB protein 1
UniProt Entry Name	CRTC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mect1-torc1-antibody-flow-cytometry-immunoprecipitation-immunocytochemistry-western-blot-elisa/290441>