

Mouse anti-Human CRTC1 Antibody | anti-CRTC1 antibody

CRTC1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA108677	Mouse	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot

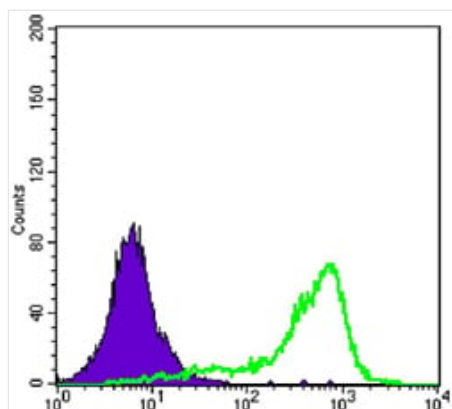
PRODUCT SYNONYMS

CRTC1; CRTC1 Antibody; MEECT1; TORC1; WAMTP1; FLJ14027; KIAA0616; anti-CRTC1 antibody

PRODUCT SPECIFICATIONS

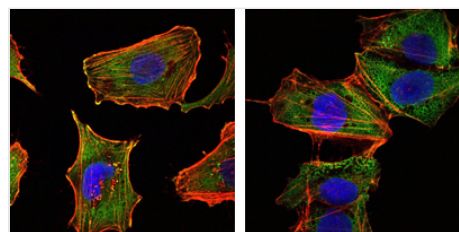
Host	Mouse
Reactivity	Human
Isotype	IgG1
Clone Number	1B5
Form/Format	Ascitic fluid containing 0.03% sodium azide.
Sequence Length	650
Applicable Applications for anti-CRTC1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Purified recombinant fragment of human CRTC1 expressed in E. Coli.
Preparation and Storage	Store at 4 degree C, for long term storage, store at -20 degree C

IMAGES



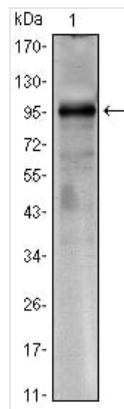
FCM/FACS (Flow Cytometry)

Figure 3. Flow cytometric analysis of K562 cells using CRTC1 mouse mAb (green) and negative control (purple).



IF (Immunofluorescence)

Figure 2. Immunofluorescence analysis of U251 (left) and NTERA2 (right) cells using CRTC1 mAb (green). Red. Actin filaments have been labeled with DY-554 phalloidin. Blue. DRAQ5 fluorescent DNA dye.



WB (Western Blot)

Figure 1. Western blot analysis using CRTC1 mouse mAb against CRTC1-hlgGfC transfected HEK293 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CRTC1 antibody	MECT1 (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. 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.
Product Categories/Family for anti-CRTC1 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

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	67kDa
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

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.