

Mouse anti-Human TORC1 Monoclonal Antibody | anti-TORC1 antibody

TORC1 (MECT1) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA111272	Mouse	Human	Immunoprecipitation, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TORC1; Monoclonal Antibody; TORC1 (MECT1) Antibody; 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; 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-TORC1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Specificity	This antibody detects endogenous levels of TORC1(N-terminus) and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified 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-TORC1 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Purified recombinant human TORC1(N-terminus) protein fragments expressed in E Coli.
Cellular Localization	Cytoplasm; Nucleus

IMAGES



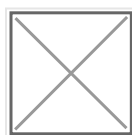
Application Data

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.



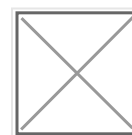
Application Data

Immunoprecipitation analysis of HeLa cell lysate using CRTC1 antibody.



Application Data

Western blot detection of TORC1(N-terminus) antibody in HeLa&Jurkat lysates using TORC1(N-terminus) antibody (1:1000 diluted). Predicted band size: 69KDa Observed band size: 69KDa.



Application Data

Immunocytochemistry stain of HeLa using TORC1 antibody (1:300).

ADDITIONAL INFORMATION

Related Product Information for anti-TORC1 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 (By similarity)
Product Categories/Family for anti-TORC1 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_015321
UniProt Accession #	Q6UUV9; O75114; Q6Y3A3; Q7LDZ2; Q8IUL3; Q8IZ34; Q8IZL1; Q8N6W3; Q96AI8; Q9H801; A6NMG5
Molecular Weight	69kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/torc1-antibody-immunoprecipitation-immunocytochemistry-flow-cytometry-western-blot-elisa/111272>