



MECT1/Torc1

Mouse monoclonal Antibody

#53138

Catalog Number: 53138

Amount: 100µg/100µl

Swiss-Prot No. : Q6UUU9

Gene name: crtc1

Gene id: 23373

Clone Number: 3D7-E5-D9

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

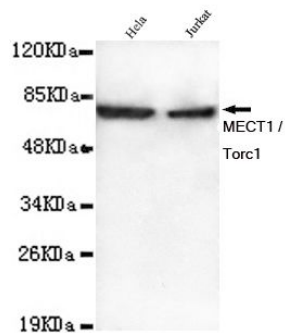
Immunogen: Purified recombinant human MECT1 / Torc1 protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of MECT1 / Torc1 and does not cross-react with related proteins

Reactivity: Human

Applications: Predicted MW: 78kd WB: 1:1000 ICC/IP:1:300



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.

Background:

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)