

TORC1 Monoclonal Antibody

Catalog No: #27183

Package Size: #27183-1 50ul #27183-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

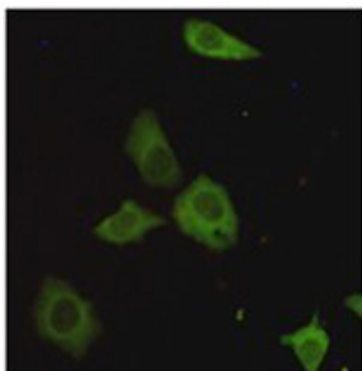
Product Name	TORC1 Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	4E7-C1-F9-E6
Isotype	IgM
Applications	WB ICC
Species Reactivity	Hu Ms Mk Rt
Specificity	This antibody detects endogenous levels of CRTC1 and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human CRTC1 protein fragments expressed in E.coli.
Conjugates	Unconjugated
Target Name	TORC1
Other Names	KIAA0616; CREB regulated transcription coactivator 1; CREB-regulated transcription coactivator 1; CRTC1; CRTC1_HUMAN; FLJ14027; KIAA0616; MECT 1; Mucoepidermoid carcinoma translocated 1; Mucoepidermoid carcinoma translocated protein 1; TORC-1; TORC1;
Accession No.	Uniprot: Q6UUUV9 Gene ID: 23373
SDS-PAGE MW	78kd
Formulation	ascites
Storage	store at -20 Λ C

Application Details

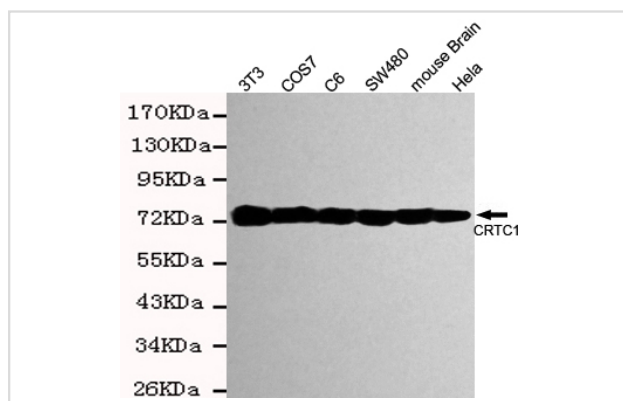
Western blotting: 1:2000

Immunocytochemistry: 1:200

Images



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-CRTC1 antibody (dilution 1:200).



Western blot detection of CRTC1 antibody in HeLa, mouse brain, SW480, COS7, C6 and 3T3 cell lysates using CRTC1 antibody (1:2000 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. May be required for dendritic growth of developing cortical neurons.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.