BT LAB
Bioassay Technology Laboratory
Optimize Your Research

TORC1 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1215
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant human TORC1 (N-terminus) protein fragments expressed in E.coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Rat,Pig
Clonality	Monoclonal
Recommended application	WB, FCM, IF, ICC
Concentration	1 mg/ml
Full name	CREB-regulated transcription coactivator 1
Synonyms	CRTC1; KIAA0616; MECT1; TORC1; WAMTP1; CREB-regulated transcription coactivator 1; Mucoepidermoid carcinoma translocated protein 1; Transducer of regulated cAMP response element-binding protein 1; TORC-1; Transducer of CREB protein 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

A chromosomal aberration involving CRTC1 is found in mucoepidermoid carcinomas, benign Warthin tumors and clear cell hidradenomas. Translocation t(11|19)(q21|p13) with MAML2. The fusion protein consists of the N-terminus of CRTC1 joined to the C-terminus of MAML2. The reciprocal fusion protein consisting of the N-terminus of MAML2 joined to the C-terminus of CRTC1 has been detected in a small number of mucoepidermoid carcinomas.,function: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.

Recommended Dilution

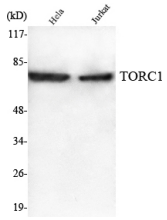
FC: 1:100 - 1:200

IF: 1:100 - 1:500

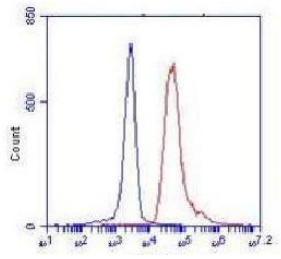
WB: 1:1000 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using TORC1 Monoclonal antibody against HeLa, Jurkat cell lysate.



Flow cytometric analysis of K562 cells stained with TORC1 Monoclonal antibody (red), followed by FITC-conjugated goat anti-mouse IgG. Blue line histogram represents the isotype control, normal mouse IgG.

Storage

-20°C for one year

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