

TORC2 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1216
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human TORC2 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Monkey
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	CREB-regulated transcription coactivator 2
Synonyms	CRTC2; TORC2; CREB-regulated transcription coactivator 2; Transducer of regulated cAMP response element-binding protein 2; TORC-2; Transducer of CREB protein 2

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

Background

This gene encodes a member of the transducers of regulated cAMP response element-binding protein activity family of transcription coactivators. These proteins promote the transcription of genes targeted by the cAMP response element-binding protein, and therefore play an important role in many cellular processes. Under basal conditions the encoded protein is phosphorylated by AMP-activated protein kinase or the salt-inducible kinases and is sequestered in the cytoplasm. Upon activation by elevated cAMP or calcium, the encoded protein translocates to the nucleus and increases target gene expression. Single nucleotide polymorphisms in this gene may increase the risk of type 2 diabetes. A pseudogene of this gene is located on the long arm of chromosome 5.

Recommended Dilution

FC: 1:200 - 1:400

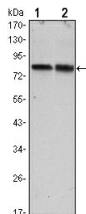
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

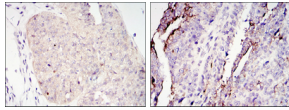
WB: 1:500 - 1:2000

Not yet tested in other applications.

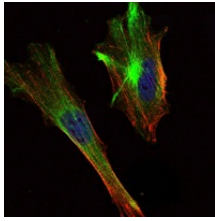
Images



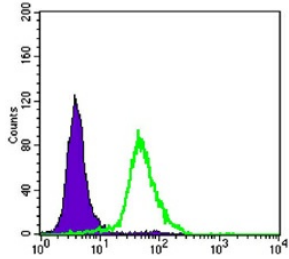
Western Blot analysis using TORC2 Monoclonal antibody against HeLa (1) and HEK293 (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded ovary tumour tissues (left) and lung cancer (right) with DAB staining using TORC2 Monoclonal antibody.



Immunofluorescence analysis of HeLa cells using TORC2 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using TORC2 Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

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