

Anti-TORC2 CRTC2 Monoclonal Antibody

Catalog Number: M01118

About CRTC2

TRPC6, also known as TRP6, short transient receptor potential channel 6 and transient receptor potential cation channel subfamily C member 6, is thought to form a receptor-activated non-selective calcium permeant cation channel. TRPC6 is probably operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. It is activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C and may not to be activated by intracellular calcium store depletion. Defects in this gene are a cause of focal segmental glomerulosclerosis (FSGS). Expression of this protein has been reported in tissues such as placenta, lung, spleen, ovary, small intestine, and renal podocytes. Immunohistochemistry studies using polyclonal antibodies to this target have shown moderate to strong staining in cell types such as neurons, breast, respiratory, squamous and prostate epithelium, epidermis, placental trophoblasts, dendritic cells, and subsets of immune cells, and faint to moderate staining of adrenal, colon, ganglion cells, hepatocytes, heart, and testis.

Overview

Product Name	Anti-TORC2 CRTC2 Monoclonal Antibody
Reactive Species	Human, Monkey
Description	Boster Bio Anti-TORC2 CRTC2 Monoclonal Antibody catalog # M01118. Tested in ELISA, Flow Cytometry, IF, IHC, WB applications. This antibody reacts with Human, Monkey.
Application	ELISA, Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal 5B10
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q53ET0

Technical Details

Immunogen	Purified recombinant fragment of human TORC2 expressed in E. Coli.
Predicted Reactive Species	Chimpanzee
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	Affinity purification
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:500-1:2000</p> <p>IHC 1:200-1:1000</p> <p>IF 1:200-1:1000</p> <p>FC 1:200-1:400</p> <p>ELISA 1:10000</p>

Anti-TORC2 CRTC2 Monoclonal Antibody (M01118) Images

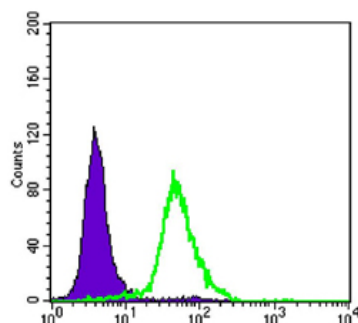


Figure 4. Flow Cytometry validation of CRTC2 using Anti-TORC2 CRTC2 Monoclonal Antibody (M01118).

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

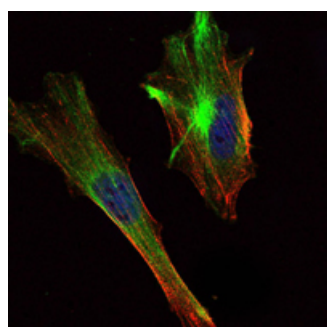


Figure 3. Immunofluorescent staining data of CRTC2 using Anti-TORC2 CRTC2 Monoclonal Antibody (M01118).

Immunofluorescence (IF) 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.

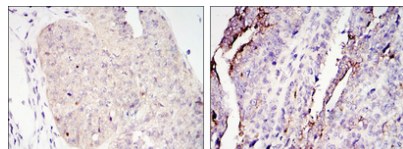


Figure 2. Immunohistochemistry validation of CRTC2 using Anti-TORC2 CRTC2 Monoclonal Antibody (M01118).

Immunohistochemistry (IHC) analysis of paraffin-embedded ovary tumour tissues (left) and lung cancer (right) with DAB staining using TORC2 Monoclonal Antibody. For more protocol information of IHC

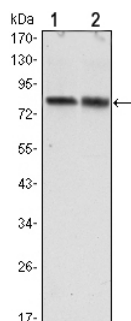


Figure 1. Western blotting validation for Anti-TORC2 CRTC2 Monoclonal Antibody M01118

Western Blot (WB) analysis using TORC2 Monoclonal Antibody against HeLa (1) and HEK293 (2) cell lysate. Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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