

TORC1 monoclonal antibody

Catalog: MB0169

Host: Mouse IgM

Reactivity: Human, Mouse, Rat, Monkey

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.

Product:

Mouse IgM, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Predicted band size: 78KDa

Observed band size: 78KDa

Swiss-Prot:

Q6UUV9

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~2000

Storage&Stability:

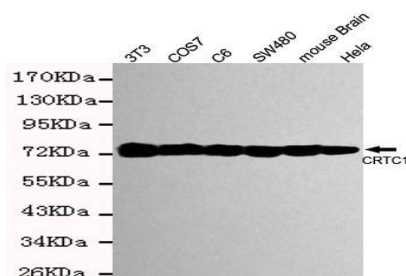
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

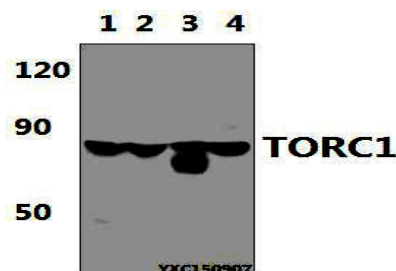
Specificity:

This antibody detects endogenous levels of TORC1 and does not cross-react with related proteins

DATA:



Western blot detection of TORC1 mAb in HeLa, mouse brain, SW480, COS7, C6 and 3T3 cell lysates using TORC1 mAb (1:2000 diluted).



Western blot (WB) analysis of TORC1 mAb at 1:5000 dilution

Lane1: HeLa whole cell lysate (30µg)

Lane2: NIH-3T3 whole cell lysate (30µg)

Lane3: The Brain tissue lysate of Rat (30µg)

Lane4: H9C2 whole cell lysate (40µg)

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151