

Datasheet for ABIN6241240

anti-CRTC1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CRTC1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CRTC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant Protein
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Target Details

Target:	CRTC1
Alternative Name:	TORC1 (CRTC1 Products)
Background:	<p>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</p>

Target Details

Schaffer collateral- CA1 synapses. May be required for dendritic growth of developing cortical neurons (By similarity). In concert with SIK1, regulates the light-induced entrainment of the circadian clock. In response to light stimulus, coactivates the CREB-mediated transcription of PER1 which plays an important role in the photic entrainment of the circadian clock.

UniProt: [Q6UUV9](#)

Application Details

Application Notes: WB: 1:2000. ICC: 1:200

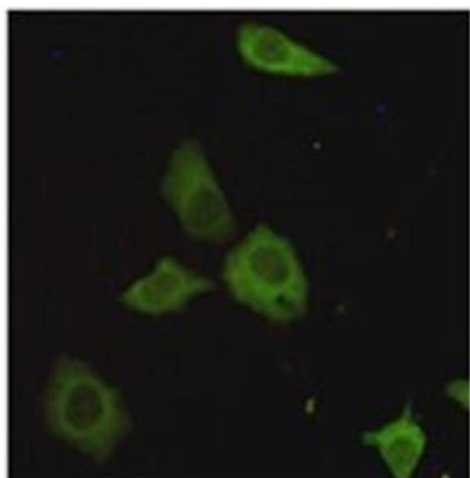
Restrictions: For Research Use only

Handling

Format: Liquid

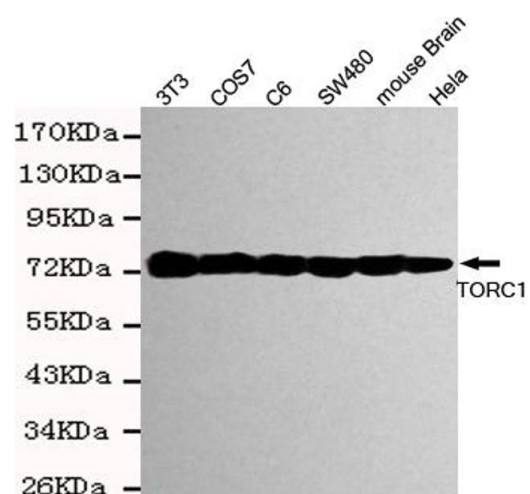
Storage: 4 °C,-20 °C

Images



Immunocytochemistry

Image 1. Immunocytochemistry staining of HeLa cells fixed with 4 % Paraformaldehyde and using TORC1 mouse mAb (dilution 1:200).



Western Blotting

Image 2. Western blot detection of TORC1 in HeLa,mouse brain,S,COS7,C6 and 3T3 cell lysates using TORC1 mouse mAb (1:2000 diluted).Predicted band size:78KDa.Observed band size:78KDa.