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Datasheet for ABIN7148676

anti-CRTC1 antibody (AA 1-248) (Biotin)

Overview

Quantity:	100 µg
Target:	CRTC1
Binding Specificity:	AA 1-248
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRTC1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human CREB-regulated transcription coactivator 1 protein (1-248AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CRTC1
Alternative Name:	CRTC1 (CRTC1 Products)
Background:	Background: Transcriptional coactivator for CREB1 which activates transcription through both consensus and variant cAMP response element (CRE) sites. Acts as a coactivator, in the

Target Details

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 (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.

Aliases: KIAA0616 antibody, CREB regulated transcription coactivator 1 antibody, CREB-regulated transcription coactivator 1 antibody, CRT1 antibody, CRT1_HUMAN antibody, FLJ14027 antibody, MECT 1 antibody, Mucoepidermoid carcinoma translocated 1 antibody, Mucoepidermoid carcinoma translocated protein 1 antibody, TORC-1 antibody, TORC1 antibody, Transducer of CREB protein 1 antibody, Transducer of regulated cAMP response element binding protein 1 antibody, Transducer of regulated cAMP response element-binding protein (CREB) 1 antibody, Transducer of regulated cAMP response element-binding protein 1 antibody, WAMTP1 antibody

UniProt: [Q6UUV9](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.