

Product datasheet

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ARG42992 anti-CRTC3 / TORC3 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes CRTC3 / TORC3

Tested Reactivity Hu, Ms, Rat

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name CRTC3 / TORC3

Species Human

Immunogen Synthetic peptide of Human CRTC3 / TORC3.

Conjugation Un-conjugated

Alternate Names TORC3; Transducer of regulated cAMP response element-binding protein 3; TORC-3; Transducer of

CREB protein 3; CREB-regulated transcription coactivator 3

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:20
	IHC-P	1:50
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	
Observed Size	~ 73 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer 50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.

Preservative 0.01% Sodium azide

Stabilizer 40% Glycerol and 0.05% BSA

Concentration Batch dependent

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol

CRTC3

Gene Full Name

CREB regulated transcription coactivator 3

Background

This gene is a member of the CREB regulated transcription coactivator gene family. This family regulates CREB-dependent gene transcription in a phosphorylation-independent manner and may be selective for cAMP-responsive genes. The protein encoded by this gene may induce mitochondrial biogenesis and attenuate catecholamine signaling in adipose tissue. A translocation event between this gene and Notch coactivator mastermind-like gene 2, which results in a fusion protein, has been reported in mucoepidermoid carcinomas. Alternative splicing results in multiple transcript variants that encode different protein isoforms. [provided by RefSeq, Jul 2012]

Function

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 PPARGC1A 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). [UniProt]

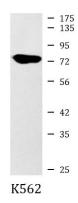
Calculated Mw

67 kDa

Cellular Localization

Nucleus. Cytoplasm. Note=Appears to be mainly nuclear. [UniProt]

Images



ARG42992 anti-CRTC3 / TORC3 antibody WB image

Western blot: K562 cell lysate stained with ARG42992 anti-CRTC3 / TORC3 antibody at 1:1000 dilution.