

KD-Validated Anti-CRTC3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1016

Product Information

Application	WB, FC, ICC
Primary Accession	Q6UUV7
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB5935
Calculated MW	66959
Gene Name	CRTC3
Aliases	CRTC3; CREB Regulated Transcription Coactivator 3; CREB-Regulated Transcription Coactivator 3; FLJ21868; TORC-3; TORC3; Transducer Of Regulated CAMP Response Element-Binding Protein (CREB) 3; Transducer Of Regulated CAMP Response Element-Binding Protein 3; Transducer Of Regulated CREB Protein 3; Transducer Of CREB Protein 3
Immunogen	A synthesized peptide derived from CRTC3

Additional Information

Gene ID	64784
Other Names	CREB-regulated transcription coactivator 3, Transducer of regulated cAMP response element-binding protein 3, TORC-3, Transducer of CREB protein 3, CRTC3, TORC3

Protein Information

Name	CRTC3
Synonyms	TORC3
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).
Cellular Location	Nucleus. Cytoplasm. Note=Appears to be mainly nuclear (PubMed:15454081). Translocates to the nucleus following adenylyl cyclase or MAP kinase activation (PubMed:30611118)

Tissue Location

Predominantly expressed in B and T lymphocytes. Highest levels in lung. Also expressed in brain, colon, heart, kidney, ovary, and prostate. Weak expression in liver, pancreas, muscle, small intestine, spleen and stomach.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.