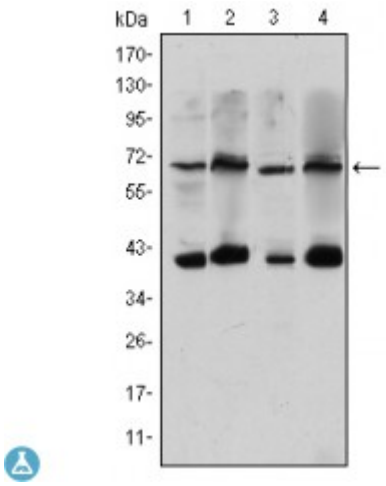
Anti-TORC3 antibody



Description	Mouse monoclonal to TORC3.

Model	STJ98428
Host	Mouse
Reactivity	Human, Simian
Applications	ELISA, IF, IHC, WB
Immunogen	Purified recombinant fragment of human TORC3 expressed in E. Coli.
Gene ID	64784
Gene Symbol	CRTC3
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000ELISA 1:10000
Specificity	TORC3 Monoclonal Antibody detects endogenous levels of TORC3 protein.
Tissue Specificity	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.
Purification	Affinity purification
Clone ID	5G9
Note	For Research Use Only (RUO).
Protein Name	CREB-regulated transcription coactivator 3 Transducer of regulated cAMP response element-binding protein 3 TORC-3 Transducer of CREB protein 3
Clonality	Monoclonal
Conjugation	Unconjugated

Isotype	IgG1
Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:26148OMIM:608986
Alternative Names	CREB-regulated transcription coactivator 3 Transducer of regulated cAMP response element-binding protein 3 TORC-3 Transducer of CREB protein 3
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 Localization	Nucleus Cytoplasm. Appears to be mainly nuclear.