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**Product Name: CRTC3 Rabbit Monoclonal Antibody****Catalog #: AMRe85169**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 67 kDa; Observed MW: 78 kDa

**Antigen Information**

<b>Gene Name</b>	CRTC3
<b>Alternative Names</b>	TORC3; FLJ21868; CRTC3
<b>Gene ID</b>	64784.0
<b>SwissProt ID</b>	Q6UUV7
<b>Immunogen</b>	A synthetic peptide of human CRTC3

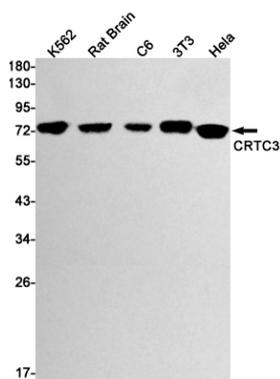
**Background**

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

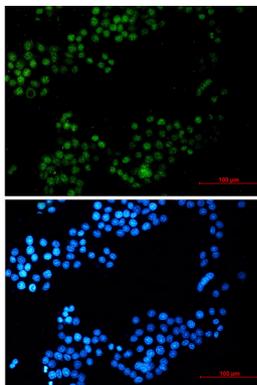
specific CREB-activated genes such as the steroidogenic gene, StAR. Potent coactivator of PPARGC1A and inducer of mitochondrial biogenesis in muscle cells. Also coactivator for TAX activation of the human T-cell leukemia virus type 1 (HTLV-1) long terminal repeats (LTR). Tissue specificity: Predominantly 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.

## Research Area

## Image Data



Western blot analysis of CRT3 in K562, rat Brain, C6, 3T3, HeLa lysates using CRT3 antibody.



Immunocytochemistry analysis of CRT3 (green) in HeLa using CRT3 antibody, and DAPI (blue).