



## Anti-CRTC2 (aa 595-693) polyclonal antibody (DPAB-DC847)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a member of the transducers of regulated cAMP response element-binding protein activity family of transcription coactivators. These proteins promote the transcription of genes targeted by the cAMP response element-binding protein, and therefore play an important role in many cellular processes. Under basal conditions the encoded protein is phosphorylated by AMP-activated protein kinase or the salt-inducible kinases and is sequestered in the cytoplasm. Upon activation by elevated cAMP or calcium, the encoded protein translocates to the nucleus and increases target gene expression. Single nucleotide polymorphisms in this gene may increase the risk of type 2 diabetes. A pseudogene of this gene is located on the long arm of chromosome 5.
<b>Immunogen</b>	CRTC2 (NP_859066, 595 a.a. ~ 693 a.a) partial recombinant protein with GST tag. The sequence is  QDPHTFNHQNLTHCSRHGSGPNIITGDSSPGFSKEIAALAGVPGFEVSAAGLELGLL EDELRMPLGLEGLNMLSDPCALLPDPAVEESFRSDRLQ
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">CRTC2 CREB regulated transcription coactivator 2 [ Homo sapiens (human) ]</a>
Official Symbol	CRTC2
Synonyms	CRTC2; CREB regulated transcription coactivator 2; TORC2; TORC-2; CREB-regulated transcription coactivator 2; transducer of regulated cAMP response element-binding protein (CREB) 2;
Entrez Gene ID	<a href="#">200186</a>
Protein Refseq	<a href="#">NP_859066</a>
UniProt ID	<a href="#">Q53ET0</a>
Chromosome Location	1q21.3
Pathway	AMPK signaling; HTLV-I infection; PI3K-Akt signaling pathway;
Function	cAMP response element binding protein binding; protein binding;