



# Anti-CRTC1 (aa 19-34) polyclonal antibody (CPBT-66100RC)

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

## PRODUCT INFORMATION

**Product Overview** This product recognizes human CREB-regulated transcription coactivator 1 (CRTC1), a 67kDa cytoplasmic and nuclear protein belonging to the TORC family. CRTC1 is involved in transcription regulation and is the transcriptional coactivated for CREB. CRTC1 is highly expressed in specific regions of both adult and foetal brain such as the prefrontal cortex and cerebellum. Chromosomal abnormalities involving CRCT1 are found in certain carcinomas such as mucoepidermoid carcinomas. Immunohistology This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

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|---------------------------|---|
| <b>Specificity</b>        | CRTC1   |
| <b>Immunogen</b>          | Synthetic peptide sequence corresponding to amino acids 19-34 of the human CRTC1 protein<br>– |
| <b>Isotype</b>            | IgG   |
| <b>Source/Host</b>        | Rabbit  |
| <b>Species Reactivity</b> | Human, Bovine, Mouse, Rat, Zebrafish  |
| <b>Conjugate</b>          | Unconjugated  |
| <b>Applications</b>       | ELISA; IF; IHC-P; WB  |
| <b>Format</b>             | Purified IgG - liquid   |
| <b>Size</b>               | 50 µg   |
| <b>Preservative</b>       | 0.01% Sodium Azide  |
| <b>Storage</b>            | in frost-free freezers is not recommended. This product should be stored undiluted. Avoid     |

repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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## GENE INFORMATION

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|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">CRTC1 CREB regulated transcription coactivator 1 [ Homo sapiens (human) ]</a>   |
| <b>Official Symbol</b>     | CRTC1   |
| <b>Synonyms</b>            | CRTC1; CREB regulated transcription coactivator 1; MECT1; TORC1; TORC-1; WAMTP1; CREB-regulated transcription coactivator 1; mucoepidermoid carcinoma translocated protein 1; transducer of regulated cAMP response element-binding protein (CREB) 1; |
| <b>Entrez Gene ID</b>      | <a href="#">23373</a>   |
| <b>Protein Refseq</b>      | <a href="#">NP_001091952</a>  |
| <b>UniProt ID</b>          | Q6UUV9  |
| <b>Chromosome Location</b> | 19p13.11  |
| <b>Pathway</b>             | BDNF signaling pathway; HTLV-I infection;   |
| <b>Function</b>            | cAMP response element binding protein binding; protein binding;   |

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