

## Rabbit anti-Human CRTC2 Polyclonal Antibody | anti-CRTC2 antibody

CRTC2 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA289153 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

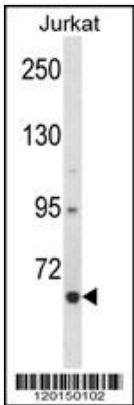
CRTC2; Polyclonal Antibody; CRT2 Antibody (N-term); CREB-regulated transcription coactivator 2; Transducer of regulated cAMP response element-binding protein 2; TORC-2; Transducer of CREB protein 2; TORC2; anti-CRTC2 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This CRT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 94-123 amino acids from the N-terminal region of human CRT2.          |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.42 (varies by lot)                                                                                                                                     |
| Sequence Positions                              | 94-123                                                                                                                                                                       |
| Sequence Length                                 | 693                                                                                                                                                                          |
| Applicable Applications for anti-CRTC2 antibody | IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                                         |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                  | HUMAN                                                                                                                                                                        |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**IHC (Immunohistochemistry)**  
CRT2 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CRT2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



**WB (Western Blot)**  
CRT2 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the CRT2 antibody detected the CRT2 protein (arrow).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CRTC2 antibody | 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 gluconeogenesis as a component of the LKB1/AMPK/TORC2 signaling pathway. Regulates the expression of specific 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). |
| Product Categories/Family for anti-CRTC2 antibody   | Metabolism; Neuroscience; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| References                                          | Nakatsu, Y., et al. J. Biol. Chem. 285(43):33018-33027(2010)<br>Kaizuka, T., et al. J. Biol. Chem. 285(26):20109-20116(2010)<br>Lyo, D., et al. Biochem. Biophys. Res. Commun. 396(2):562-565(2010)<br>Lu, M., et al. J. Am. Soc. Nephrol. 21(5):811-818(2010)<br>Roulin, D., et al. Mol. Cancer 9, 57 (2010) :                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 32171215                                   |
| NCBI GeneID                      | 200186                                     |
| NCBI Accession #                 | NP_859066.1                                |
| NCBI GenBank Nucleotide #        | NM_181715.2                                |
| UniProt Accession #              | Q53ET0; Q6UUV8; Q7Z3X7; Q8N332             |
| Molecular Weight                 | 73302                                      |
| NCBI Official Full Name          | CREB-regulated transcription coactivator 2 |
| NCBI Official Synonym Full Names | CREB regulated transcription coactivator 2 |
| NCBI Official Symbol             | CRTC2                                      |
| NCBI Official Synonym Symbols    | TORC2; TORC-2                              |
| NCBI Protein Information         | CREB-regulated transcription coactivator 2 |
| UniProt Protein Name             | CREB-regulated transcription coactivator 2 |

|                            |                                             |
|----------------------------|---------------------------------------------|
| UniProt Gene Name          | CRTC2                                       |
| UniProt Synonym Gene Names | TORC2; TORC-2; Transducer of CREB protein 2 |
| UniProt Entry Name         | CRTC2_HUMAN                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/crtc2-antibody-immunohistochemistry-western-blot-elisa/289153>