

Datasheet for ABIN7599779
anti-CRTC3 antibody (AA 116-619)



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Overview

Quantity:	100 µg
Target:	CRTC3
Binding Specificity:	AA 116-619
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CRTC3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-CRTC3 Antibody Picoband®
Immunogen:	E.coli-derived human CRTC3 recombinant protein (Position: R116-L619).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-CRTC3 Antibody Picoband® (ABIN7599779). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Monkey. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CRTC3
Alternative Name:	CRTC3 (CRTC3 Products)
Background:	Synonyms: Lymphotactin, C motif chemokine 1, Cytokine SCM-1, Lymphotaxin, Small-inducible cytokine C1, Xcl1, Lptn, Ltn, Scyc1 Tissue Specificity: Expressed in activated CD8 (+) T cells. In the thymus, expressed by medullary thymic epithelial cells. Background: CREB-regulated transcription coactivator 3 is a protein that in humans is encoded by the CRTC3 gene. This gene is a member of the CREB regulated transcription coactivator gene family. This family regulates CREB-dependent gene transcription in a phosphorylation-independent manner and may be selective for cAMP-responsive genes. The protein encoded by this gene may induce mitochondrial biogenesis and attenuate catecholamine signaling in adipose tissue. A translocation event between this gene and Notch coactivator mastermind-like gene 2, which results in a fusion protein, has been reported in mucoepidermoid carcinomas. Alternative splicing results in multiple transcript variants that encode different protein isoforms.
Molecular Weight:	78 kDa
Gene ID:	64784
Pathways:	SARS-CoV-2 Protein Interactome , The Global Phosphorylation Landscape of SARS-CoV-2 Infection

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Monkey Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Iourgenko, V., Zhang, W., Mickanin, C., Daly, I., Jiang, C., Hexham, J. M., Orth, A. P., Miraglia, L., Meltzer, J., Garza, D., Chirn, G.-W., McWhinnie, E., and 9 others. Identification of a family of cAMP response element-binding protein coactivators by genome-scale functional analysis in mammalian cells. <i>Proc. Nat. Acad. Sci.</i> 100: 12147-12152, 2003. 2. Song, Y., Altarejos, J., Goodarzi, M. O., Inoue, H., Guo, X., Berdeaux, R., Kim, J.-H., Goode, J., Igata, M., Paz, J. C., Hogan, M. F., Singh, P. K., and 12 others. CRTC3 links catecholamine signalling to energy balance. <i>Nature</i> 468: 933-939, 2010. 3. Wu, Z., Huang, X., Feng, Y., Handschin, C., Feng, Y., Gullicksen, P. S., Bare, O., Labow, M., Spiegelman, B., Stevenson, S. C. Transducer of regulated CREB-binding
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Application Details

proteins (TORCs) induce PGC-1-alpha transcription and mitochondrial biogenesis in muscle cells. Proc. Nat. Acad. Sci. 103: 14379-14384, 2006.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.