

## Datasheet: VPA00131

<b>Description:</b>	GOAT ANTI CRTC2
<b>Specificity:</b>	CRTC2
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb™ Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Goat polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5 % BSA
<b>Immunogen</b>	Peptide with the sequence C-DPAVEDSFRSDRLQ, from the C Terminus of the protein sequence
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q53ET0</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">200186</a>    CRTC2    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TORC2

**Specificity** **Goat anti Human CRTC2 antibody** recognizes the CREB-regulated transcription coactivator 2, also known as transducer of regulated cAMP response element-binding protein 2 (TORC-2) or transducer of CREB protein 2.

CRTC2 is 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 CRTC2 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, CRTC2 translocates to the nucleus and increases target gene expression. Single nucleotide polymorphisms in the CRTC2 gene may increase the risk of type 2 diabetes. A pseudogene of CRTC2 is located on the long arm of chromosome 5 (provided by RefSeq, Dec 2010).

Goat anti Human CRTC2 antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti CRTC2 detects a band of approximately 80 kDa in MCF7 cell lysates.

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**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** As supplied, 12 months from date of despatch

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**Acknowledgements** PrecisionAb™ is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10058 available at: Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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