

Datasheet: VPA00303

Description:	RABBIT ANTI CREB BINDING PROTEIN
Specificity:	CREB BINDING PROTEIN
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 2% Sucrose
Immunogen	Synthetic peptide corresponding to the N-terminal region of human CREB binding protein
External Database Links	UniProt: Q92793 Related reagents Entrez Gene: 1387 CREBBP Related reagents
Synonyms	CBP

Specificity

Rabbit anti Human CREB binding protein antibody recognizes CREB binding protein, also known as CREBBP and CBP.

CREB binding protein is ubiquitously expressed and is involved in the transcriptional co-activation of many different transcription factors. First isolated as a nuclear protein that binds to cAMP-response element binding protein (CREB), CREB binding protein is now known to play critical roles in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition. The protein encoded by the CREB binding protein gene has intrinsic histone acetyltransferase activity and also acts as a scaffold to stabilize additional protein interactions with the transcription complex. This protein acetylates both histone and non-histone proteins. This protein shares regions of very high sequence similarity with protein p300 in its bromodomain, cysteine-histidine-rich regions, and histone acetyltransferase domain. Mutations in the CREB binding protein gene cause Rubinstein-Taybi syndrome (RTS). Chromosomal translocations involving the CREB binding protein gene have been associated with acute myeloid leukemia. Alternative splicing results in multiple transcript variants encoding different isoforms (provided by RefSeq, Feb 2009).

Rabbit anti Human CREB binding protein antibody detects a band of 300 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti CREB binding protein detects a band of approximately 300 kDa in HEK293 cell lysate
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.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Shelf Life	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10045 available at: Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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