

Datasheet: VPA00286

Description:	RABBIT ANTI PCBP1
Specificity:	PCBP1
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
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) 1% Bovine Serum Albumin
Immunogen	KLH-conjugated synthetic peptide corresponding to aa 188-217 of human PCBP1

External Database Links

UniProt:

[Q15365](#) [Related reagents](#)

Entrez Gene:

[5093](#) PCBP1 [Related reagents](#)

Specificity

Rabbit anti Human PCBP1 antibody recognizes PCBP1, also known as alpha-CP1, epididymis secretory protein Li 85, heterogeneous nuclear ribonucleoprotein E1, heterogenous nuclear ribonucleoprotein X and nucleic acid-binding protein SUB2.3.

This intron less gene is thought to have been generated by retrotransposition of a fully processed

PCBP-2 mRNA. PCBP1 and PCBP-2 have paralogues (PCBP3 and PCBP4) which are thought to have arisen as a result of duplication events of entire genes. The protein encoded by PCBP1 appears to be multifunctional. It, along with PCBP-2 and hnRNPk corresponds to the major cellular poly(rC)-binding protein. It contains three K-homologous (KH) domains which may be involved in RNA binding. This encoded protein together with PCBP-2 also functions as translational coactivators of poliovirus RNA via a sequence-specific interaction with stem-loop IV of the IRES and promote poliovirus RNA replication by binding to its 5'-terminal cloverleaf structure. It has also been implicated in translational control of the 15-lipoxygenase mRNA, human Papillomavirus type 16 L2 mRNA, and hepatitis A virus RNA. The encoded protein is also suggested to play a part in formation of a sequence-specific alpha-globin mRNP complex which is associated with alpha-globin mRNA stability (provided by RefSeq, Jul 2008).

Rabbit anti Human PCBP1 antibody detects a band of 37 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti PCBP1 detects a band of approximately 37 kDa in A431 cell lysate
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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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Shelf Life	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 #10041 available at: Antibody (10041): https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

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