Datasheet: VPA00915

BATCH NUMBER 180704

Description:	RABBIT ANTI POLYADENYLATE-BINDING NUCLEAR PROTEIN 1
Specificity:	POLYADENYLATE-BINDING NUCLEAR PROTEIN 1
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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click here to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse **N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography on immunogen
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide <50% Glycerol

Immunogen	Synthetic peptide of human polyadenylate-binding nuclear protein 1
External Database Links	**UniProt:** Q86U42 Related reagents **Entrez Gene:** 8106 PABPN1 Related reagents
Synonyms	PAB2, PABP2
Specificity	**Rabbit anti Human polyadenylate-binding nuclear protein 1 antibody** recognizes polyadenylate-binding protein 1, also known as poly(A) binding protein 1, OPMD and PABPN1. PABPN1 encodes an abundant nuclear protein that binds with high affinity to nascent poly(A) tails. The protein is required for progressive and efficient polymerization of poly(A) tails at the 3' ends of eukaryotic transcripts and controls the size of the poly(A) tail to about 250 nt. At steady-state, this protein is localized in the nucleus whereas a different poly(A) binding protein is localized in the cytoplasm. PABPN1 contains a GCG trinucleotide repeat at the 5' end of the coding region, and expansion of this repeat from the normal 6 copies to 8-13 copies leads to autosomal dominant oculopharyngeal muscular dystrophy (OPMD) disease. Related pseudogenes have been identified on chromosomes 19 and X. Read-through transcription also exists between PABPN1 and the neighboring upstream BCL2-like 2 (BCL2L2) gene (provided by RefSeq, Dec 2010). Rabbit anti Human polyadenylate-binding protein 1 antibody detects a band of 50 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti polyadenylate-binding nuclear protein 1 antibody recognizes a band of approximately 50 kDa in Raji cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/VPA00915 10049
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	**Worldwide**	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	**Europe**	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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