

Datasheet: AHP2067

Description:	GOAT ANTI HUMAN PTBP1 (N-TERMINAL)
Specificity:	PTBP1 (N-TERMINAL)
Other names:	POLYPYRIMIDINE TRACT BINDING PROTEIN 1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/8000
Immunoprecipitation			▪	
Western Blotting	▪			1.0ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Dog, Bovine, Mouse, Rat, Pig N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human PTBP1 (NT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence DGIVPDIAVGTKR-C from the N-Terminal region of PTBP1

External Database**Links****UniProt:**

[P26599](#) [Related reagents](#)

Entrez Gene:

[5725](#) PTBP1 [Related reagents](#)

Synonyms

PTB

Specificity

Goat anti Human PTBP1 antibody; recognizes an epitope within the N-terminal (NT) region of human PTBP1, otherwise known as polypyrimidine tract-binding protein 1. PTPB1 is a multi-functional, ubiquitously expressed heterogeneous nuclear ribonucleoprotein (hnRNP), implicated in pre-mRNA processing, mRNA metabolism and transport. PTPB1 contains [4 RRM](#) motifs.

PTBP1 is highly over-expressed in glioma and, along with its brain-specific homologue PTBP2, acts as a regulator of neural precursor cell differentiation ([Wang *et al.* 2013](#)). There are 3 described isoforms of PTPB1 derived by alternative splicing, isoforms differ in having insertions between the RRM domains 2 and 3. Goat anti Human PTBP1 antibody is expected to recognize all isoforms of PTPB1.

Western Blotting

AHP2067 detects a band of approximately 60-65kDa in Jurkat cell lysates.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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