

**ROD1 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17726A**

**Specification**

**ROD1 Antibody (N-term) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">O95758</a>
Other Accession	<a href="#">Q9Z118</a> , <a href="#">Q8BHD7</a> , <a href="#">NP_001157262.1</a> , <a href="#">NP_005147.3</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit Ig</b>
Calculated MW	<b>59690</b>
Antigen Region	<b>253-279</b>

**ROD1 Antibody (N-term) - Additional Information**

**Gene ID** 9991

**Other Names**

Polypyrimidine tract-binding protein 3,  
Regulator of differentiation 1, Rod1, PTBP3,  
ROD1

**Target/Specificity**

This ROD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 253-279 amino acids from the N-terminal region of human ROD1.

**Dilution**

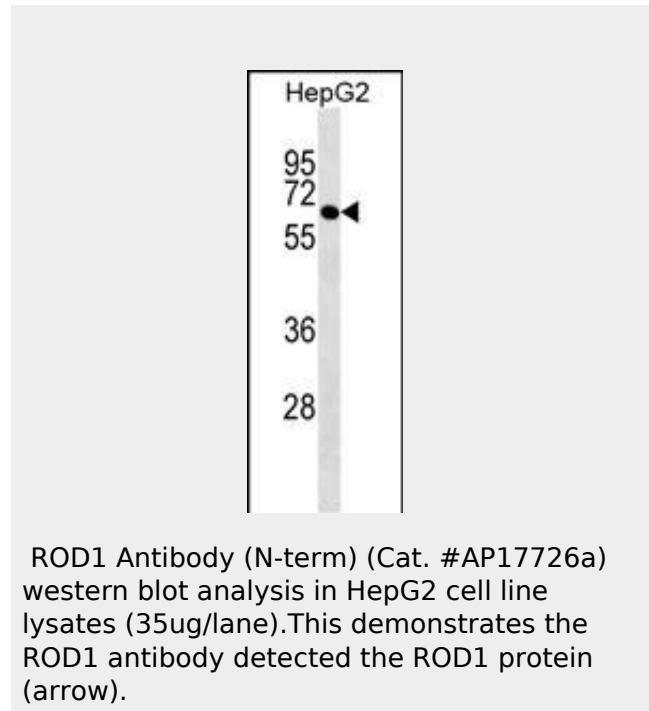
WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



ROD1 Antibody (N-term) (Cat. #AP17726a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the ROD1 antibody detected the ROD1 protein (arrow).

**ROD1 Antibody (N-term) - Background**

ROD1 is a functional homolog of nrd1, an *S. pombe* RNA-binding protein that suppresses the onset of differentiation.

**ROD1 Antibody (N-term) - References**

- Rose, J. Phd, et al. Mol. Med. (2010) In press :
- Sadvakassova, G., et al. J. Cell. Physiol. 220(3):672-679(2009)
- Yamamoto, H., et al. Mol. Cell. Biol. 19(5):3829-3841(1999)

**Precautions**

ROD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ROD1 Antibody (N-term) - Protein Information**

**Name** PTBP3

**Synonyms** ROD1

**Function**

RNA-binding protein that mediates pre-mRNA alternative splicing regulation. Plays a role in the regulation of cell proliferation, differentiation and migration. Positive regulator of EPO-dependent erythropoiesis. Participates in cell differentiation regulation by repressing tissue-specific exons. Promotes FAS exon 6 skipping. Binds RNA, preferentially to both poly(G) and poly(U).

**Tissue Location**

Expressed in several hematopoietic cell lines examined.

**ROD1 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)