

**PURA Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11789b**

**Specification**

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**PURA Antibody (C-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">Q00577</a>
Other Accession	<a href="#">P42669</a> , <a href="#">NP_005850.1</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>34911</b>
Antigen Region	<b>259-287</b>

**PURA Antibody (C-term) - Additional Information**

**Gene ID** 5813

**Other Names**

Transcriptional activator protein Pur-alpha, Purine-rich single-stranded DNA-binding protein alpha, PURA, PUR1

**Target/Specificity**

This PURA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 259-287 amino acids from the C-terminal region of human PURA.

**Dilution**

WB~~1:1000  
IHC-P~~1:50~100

**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.

**Precautions**

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

**PURA Antibody (C-term) - Protein Information**

**Name** PURA

**Synonyms** PUR1

**Function** This is a probable transcription activator that specifically binds the purine-rich single strand of the PUR element located upstream of the MYC gene (PubMed:[1448097](#), PubMed:[20976240](#)). May play a role in the initiation of DNA replication and in recombination.

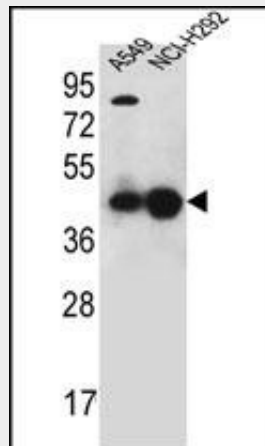
**Cellular Location**

Nucleus.

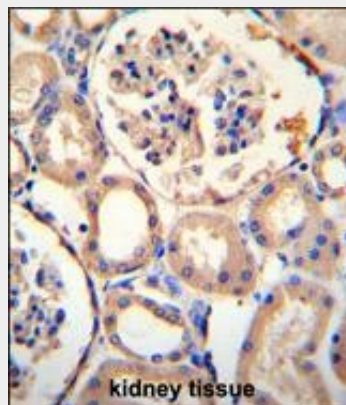
**PURA Antibody (C-term) - Protocols**

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](#)

**PURA Antibody (C-term) - Images**

PURA Antibody (C-term) (Cat. #AP11789b) western blot analysis in A549, NCI-H292 cell line lysates (35ug/lane). This demonstrates the PURA antibody detected the PURA protein (arrow).



PURA Antibody (C-term) (Cat. #AP11789b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PURA Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **PURA Antibody (C-term) - Background**

This gene product is a sequence-specific, single-stranded DNA-binding protein. It binds preferentially to the single strand of the purine-rich element termed PUR, which is present at origins of replication and in gene flanking regions in a variety of eukaryotes from yeasts through humans. Thus, it is implicated in the control of both DNA replication and transcription. Deletion of this gene has been associated with myelodysplastic syndrome and acute myelogenous leukemia.

#### **PURA Antibody (C-term) - References**

- Inoue, T., et al. Prostate 69(8):861-873(2009)  
Martins-de-Souza, D., et al. Eur Arch Psychiatry Clin Neurosci 259(3):151-163(2009)  
Kaminski, R., et al. Cancer Biol. Ther. 7(12):1926-1935(2008)  
Darbinian, N., et al. J. Alzheimers Dis. 15(1):71-82(2008)  
Wang, L.G., et al. Cancer Res. 68(8):2678-2688(2008)