

## PUR4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP4751a

### Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q15067</a>
<b>Other Accession</b>	<a href="#">Q5SUR0</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB25413
<b>Calculated MW</b>	144734
<b>Antigen Region</b>	184-213

### Additional Information

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<b>Gene ID</b>	5198
<b>Other Names</b>	Phosphoribosylformylglycinamidine synthase, FGAM synthase, FGAMS, Formylglycinamide ribonucleotide amidotransferase, FGAR amidotransferase, FGAR-AT, Formylglycinamide ribotide amidotransferase, PFAS, KIAA0361
<b>Target/Specificity</b>	This PUR4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 184-213 amino acids from the N-terminal region of human PUR4.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	PUR4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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<b>Name</b>	PFAS
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**Synonyms**

KIAA0361

**Function**

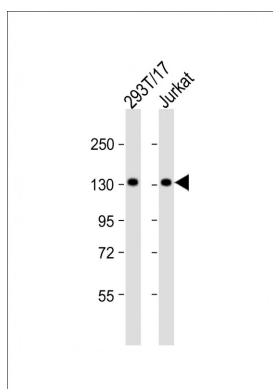
Phosphoribosylformylglycinamide synthase involved in the purines biosynthetic pathway. Catalyzes the ATP-dependent conversion of formylglycinamide ribonucleotide (FGAR) and glutamine to yield formylglycinamide ribonucleotide (FGAM) and glutamate.

**Cellular Location**

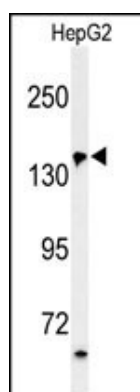
Cytoplasm.

**Images**

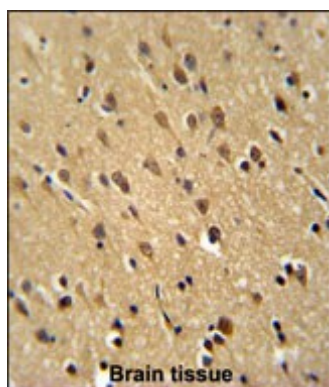
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All lanes : Anti-PUR4 Antibody (N-term) at 1:1000 dilution  
Lane 1: 293T/17 whole cell lysate Lane 2: Jurkat whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 145 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

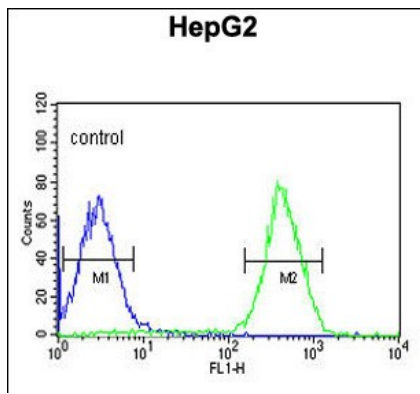


Western blot analysis of PUR4 Antibody (N-term) (Cat. #AP4751a) in HepG2 cell line lysates (35ug/lane). PUR4 (arrow) was detected using the purified Pab.



PUR4 Antibody (N-term) (Cat. #AP4751a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PUR4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

PUR4 Antibody (N-term) (Cat. #AP4751a) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.