10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PUR4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP4751a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O15067
Other Accession	Q5SUR0
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25413
Calculated MW	144734
Antigen Region	184-213

Additional Information

Gene ID	5198
Other Names	Phosphoribosylformylglycinamidine synthase, FGAM synthase, FGAMS, Formylglycinamide ribonucleotide amidotransferase, FGAR amidotransferase, FGAR-AT, Formylglycinamide ribotide amidotransferase, PFAS, KIAA0361
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
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	PUR4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

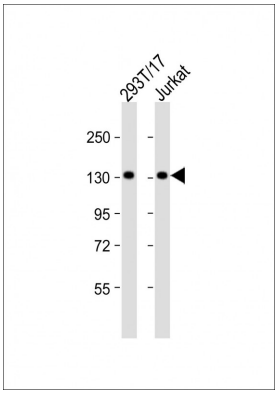
Name	PFAS

Synonyms KIAA0361

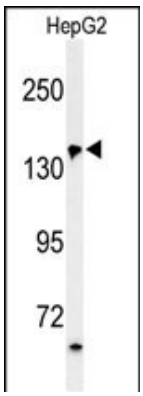
Function Phosphoribosylformylglycinamidine synthase involved in the purines biosynthetic pathway. Catalyzes the ATP-dependent conversion of formylglycinamide ribonucleotide (FGAR) and glutamine to yield formylglycinamidine ribonucleotide (FGAM) and glutamate.

Cellular Location Cytoplasm.

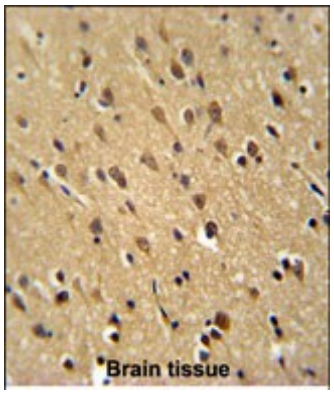
Images



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.

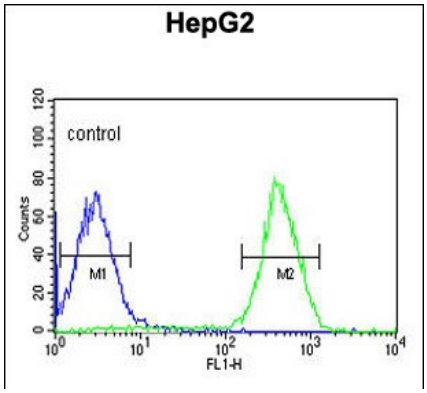


Western blot analysis of PUR4 Antibody (N-term) (Cat. #AP4751a) in HepG2 cell line lysates (35ug/lane). PUR4 (arrow) was detected using the purified Pab.



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'.