

For Research Use Only

# PFAS Polyclonal antibody

Catalog Number: 24716-1-AP



## Basic Information

<b>Catalog Number:</b> 24716-1-AP	<b>GenBank Accession Number:</b> BC167158	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5198	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15067	<b>IHC 1:200-1:800</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphoribosylformylglycinamide synthase	<b>IF/ICC 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG20162	<b>Calculated MW:</b> 1338 aa, 145 kDa	
	<b>Observed MW:</b> 140-150 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> HEK-293T cells, HeLa cells, Jurkat cells, K-562 cells, NIH/3T3 cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human intrahepatic cholangiocarcinoma tissue,
	<b>IF/ICC :</b> A431 cells,

## Background Information

Phosphoribosylformylglycinamide synthase (PFAS) is a highly conserved enzyme that catalyzes the fourth step of de novo purine synthesis. It catalyzes the ATP-dependent conversion of formylglycinamide ribonucleotide (FGAR) and glutamine to yield formylglycinamide ribonucleotide (FGAM) and glutamate.

## Storage

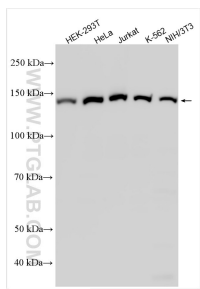
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

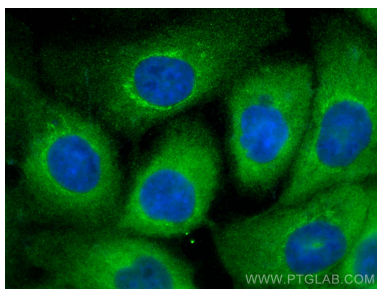
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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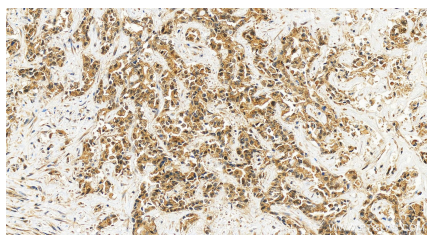
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24716-1-AP (PFAS antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using PFAS antibody (24716-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 24716-1-AP (PFAS antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).