

For Research Use Only

# PFAS Recombinant antibody

Catalog Number: 83074-2-RR



## Basic Information

<b>Catalog Number:</b> 83074-2-RR	<b>GenBank Accession Number:</b> BC167158	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5198	<b>CloneNo.:</b> 230422D11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15067	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> phosphoribosylformylglycinamide synthase	
<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, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, HeLa cells, Raji cells, HEK-293T cells, U-251 cells
<b>Species Specificity:</b> Human	

## 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

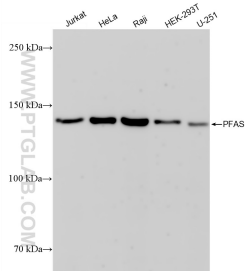
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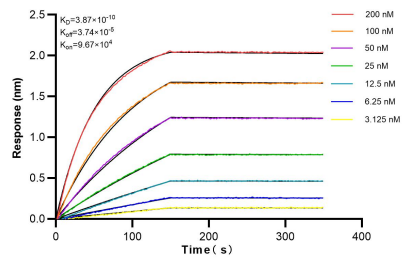
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83074-2-RR (PFAS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83074-2-RR against Human PFAS were performed. The affinity constant is 0.387 nM.