

PFAS Recombinant antibody

Catalog Number: 83074-2-RR

Basic Information

Catalog Number:

83074-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20162

GenBank Accession Number:

BC167158

GeneID (NCBI):

5198

UNIPROT ID:

O15067

Full Name:

phosphoribosylformylglycinamide synthase

Calculated MW:

1338 aa, 145 kDa

Observed MW:

140-150 kDa

Purification Method:

Protein A purification

CloneNo.:

230422D11

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : Jurkat cells, HeLa cells, Raji cells, HEK-293T cells, U-251 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:

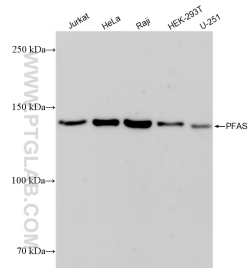
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

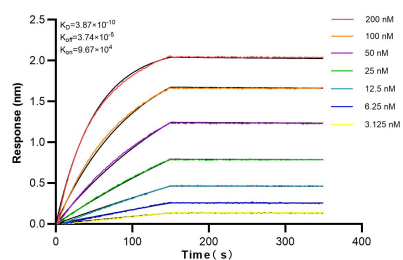
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.