

For Research Use Only

# PIAS2 Recombinant antibody

Catalog Number: 84189-4-RR



## Basic Information

Catalog Number:

84189-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9032

GenBank Accession Number:

BC015190

GeneID (NCBI):

9063

UNIPROT ID:

O75928

Full Name:

protein inhibitor of activated STAT, 2

Calculated MW:

63 kDa, 69 kDa

Observed MW:

63-68 kDa

Purification Method:

Protein A purification

CloneNo.:

241474G8

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : K-562 cells, mouse testis tissue, HeLa cells, HEK-293T cells

## Background Information

PIAS2 functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. PIAS2 also plays a crucial role as a transcriptional coregulator in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. PIAS2 has 3 isoforms produced by alternative splicing with the MW of 68 kDa, 63 kDa and 45 kDa.

## 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

For technical support and original validation data for this product please contact:

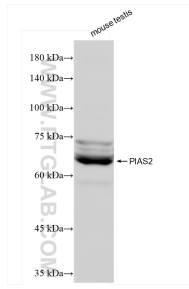
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

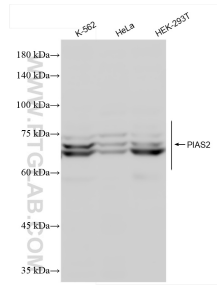
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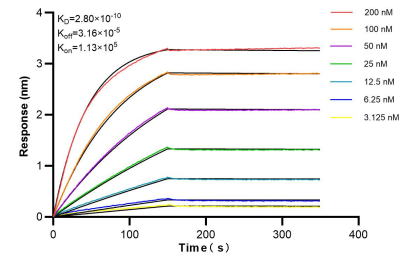
## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 84189-4-RR (PIAS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 84189-4-RR (PIAS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84189-4-RR against Human PIAS2 were performed. The affinity constant is 0.28 nM.