

For Research Use Only

# PIAS2 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84189-4-PBS



## Basic Information

Catalog Number:	84189-4-PBS	GenBank Accession Number:	BC015190	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	9063	CloneNo.:	241474G8
Source:	Rabbit	UNIPROT ID:	O75928		
Isotype:	IgG	Full Name:	protein inhibitor of activated STAT, 2		
Immunogen Catalog Number:	AG9032	Calculated MW:	63 kDa, 69 kDa		
		Observed MW:	63-68 kDa		

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human, mouse

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

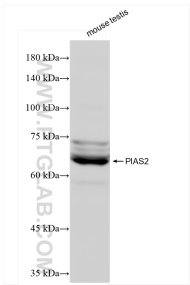
T: 4006900926

E: Proteintech-CN@ptglab.com

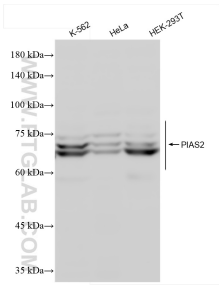
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

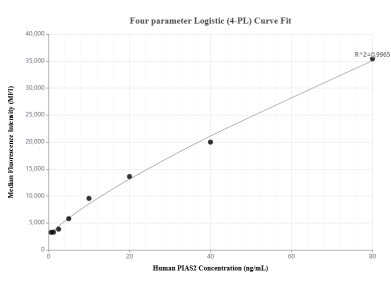
Selected Validation Data



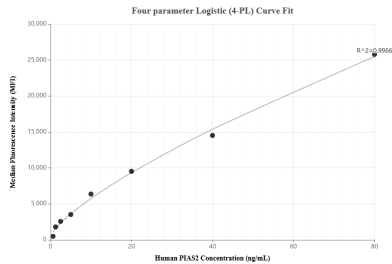
mouse testis tissue were subjected to SDS PAGE followed by western blot with 84189-4-RR (PIAS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84189-4-PBS in a different storage buffer formulation.



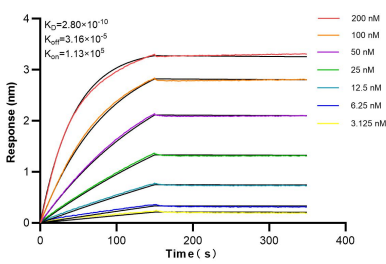
Various lysates were subjected to SDS PAGE followed by western blot with 84189-4-RR (PIAS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84189-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01062-1, PIAS2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84189-4-PBS. Detection antibody: 84189-1-PBS. Standard: Ag9032. Range: 0.625-80 ng/mL.



Cytometric bead array standard curve of MP01062-2, PIAS2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84189-4-PBS. Detection antibody: 84189-2-PBS. Standard: Ag9032. Range: 0.625-80 ng/mL.



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