

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: 100ug, Concentration: 1 mg/ml by Nanodrop;	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

Product Information

84189-4-PBS targets PIAS2 as part of a matched antibody pair:

MP01062-1: 84189-4-PBS capture and 84189-1-PBS detection (validated in Cytometric bead array)

MP01062-2: 84189-4-PBS capture and 84189-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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.
Storage Buffer:
PBS Only

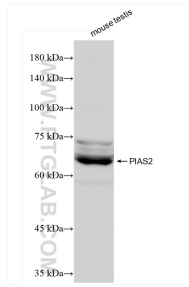
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

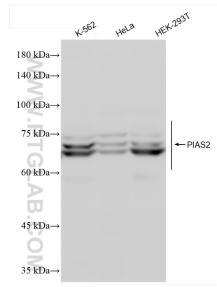
E: proteintech@ptglab.com
W: ptglab.com

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

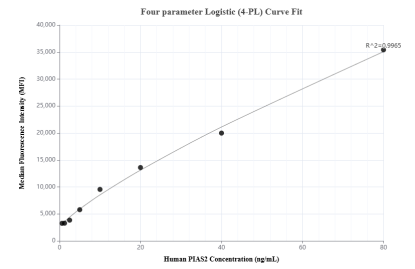
Selected Validation Data



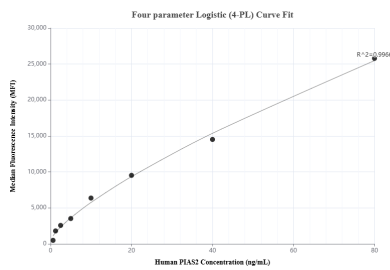
mouse testis tissue were subjected to SDS PAGE followed by western blot with 84189-4-RR (PIAS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84189-4-PBS in a different storage buffer formulation.



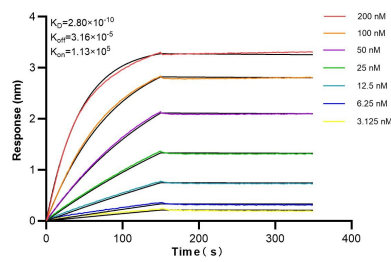
Various lysates were subjected to SDS PAGE followed by western blot with 84189-4-RR (PIAS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84189-4-PBS in a different storage buffer formulation.



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.