

For Research Use Only

PIAS4 Polyclonal antibody

Catalog Number: 18469-1-AP



Basic Information

Catalog Number: 18469-1-AP	GenBank Accession Number: BC010047	Purification Method: Antigen affinity purification
Size: 520 µg/ml	GeneID (NCBI): 51588	Recommended Dilutions: WB 1:500-1:3000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8N2W9	
Isotype: IgG	Full Name: protein inhibitor of activated STAT, 4	
Immunogen Catalog Number: AG13316	Calculated MW: 57 kDa	
	Observed MW: 57-70 kDa	

Applications

Tested Applications: WB, IF, ICC, FC, ELISA	Positive Controls: WB : HL-60 cells, Jurkat cells, K-562 cells IF : HeLa cells,
Species Specificity: human, mouse, rat	

Background Information

PIAS4 (protein inhibitor of activated STAT protein 4) is also named as PIASG, PIASy and belongs to the PIAS family. It enhanced the conjugation of SUMO2 to GATA2 through its E3 SUMO ligase activity. TGF- β can up-regulate PIAS4 expression in MCs to down-regulate *SMA* gene transcription by the interaction with E12 and PIAS4 predominantly acts as E3 ligases for E12 in MCs among PIAS family members (PMID:22829926). This protein can be sumoylated and Lys-35 is the main site of sumoylation (PMID:15831457).

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:

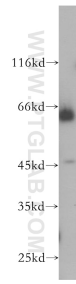
T: 4006900926

E: Proteintech-CN@ptglab.com

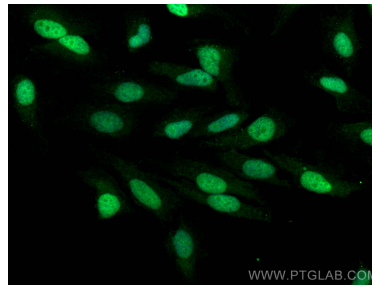
W: ptgcn.com

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

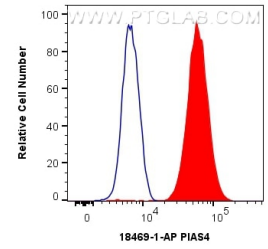
Selected Validation Data



HL-60 cells were subjected to SDS PAGE followed by western blot with 18469-1-AP (PIAS4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PIAS4 antibody (18469-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human PIAS4 (18469-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).