

For Research Use Only

# PIAS4 Polyclonal ANTIBODY



Catalog Number: 14242-1-AP

Featured Product

3 Publications

## Basic Information

Catalog Number:

14242-1-AP

Size:

150UL, Concentration: 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5498

GenBank Accession Number:

BC029874

GeneID (NCBI):

51588

Full Name:

protein inhibitor of activated STAT, 4

Calculated MW:

57 kDa

Observed MW:

57-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: K-562 cells, HL-60 cells, mouse ovary tissue, mouse pancreas tissue

## 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- $\beta$  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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Emmanuelle Despras	27811911	Nat Commun	WB
Yao-Long Yan	31226106	PLoS Biol	WB, IF
Torikoshi Kazuo K	22829926	PLoS One	WB

## 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

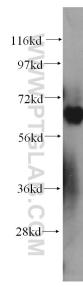
For technical support and original validation data for this product please contact:

T: 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



K-562 cells were subjected to SDS PAGE followed by western blot with 14242-1-AP (PIAS4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.