

For Research Use Only

PIAS4 Polyclonal antibody

Catalog Number: 18469-1-AP



Basic Information

Catalog Number:

18469-1-AP

Size:

150ul, Concentration: 520 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13316

GenBank Accession Number:

BC010047

GeneID (NCBI):

51588

UNIPROT ID:

Q8N2W9

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 1:500-1:3000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HL-60 cells, Jurkat cells, K-562 cells

IF/ICC : HeLa cells,

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 α -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

*** 20ul sizes contain 0.1% BSA

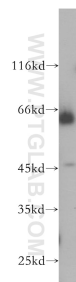
For technical support and original validation data for this product please contact:

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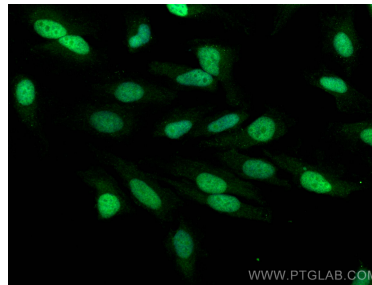
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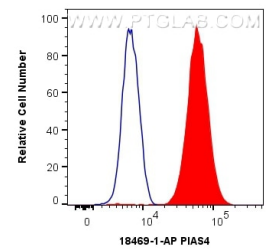
Selected Validation Data



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).