

For Research Use Only

PIAS2 Polyclonal antibody

Catalog Number: 16074-1-AP

4 Publications



Basic Information

Catalog Number:

16074-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9032

GenBank Accession Number:

BC015190

GeneID (NCBI):

9063

UNIPROT ID:

O75928

Full Name:

protein inhibitor of activated STAT, 2

Calculated MW:

63 kDa, 69 kDa

Observed MW:

68 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, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HeLa cells, MCF-7 cells, K-562 cells

IF/ICC : MCF-7 cells,

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.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------------|-----------|------------------|-------------|
| Yuhong Zhang | 34628513 | J Mol Med (Berl) | WB,IF |
| Orhi Barroso-Gomila | 34795231 | Nat Commun | WB,IF |
| Joeffrey J Chahine | 39424877 | Sci Rep | IF |

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

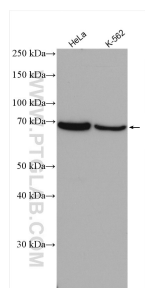
For technical support and original validation data for this product please contact:

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

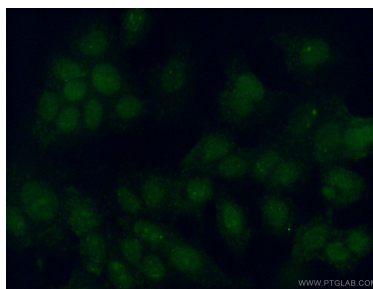
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16074-1-AP (PIAS2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using 16074-1-AP (PIAS2 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).