

For Research Use Only

PIAS2 Polyclonal antibody

Catalog Number: 16074-1-AP **3 Publications**



Basic Information

Catalog Number: 16074-1-AP	GenBank Accession Number: BC015190	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop and 167 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9063	Recommended Dilutions: WB 1:500-1:3000 IF 1:50-1:500
Source: Rabbit	Full Name: protein inhibitor of activated STAT, 2	
Isotype: IgG	Calculated MW: 63 kDa, 69 kDa	
Immunogen Catalog Number: AG9032	Observed MW: 68 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells, K-562 cells
Cited Applications: IF, WB	IF : MCF-7 cells,
Species Specificity: human, mouse, rat	
Cited Species: human	

Background Information

PIAS2 functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2L 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
Junfeng Du	37481078	Biochim Biophys Acta Mol Cell Res	WB

Storage

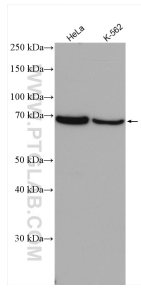
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

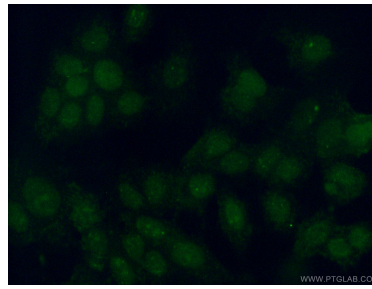
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

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).