

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: 200 µg/ml	GeneID (NCBI): 9063	Recommended Dilutions: WB 1:500-1:3000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: O75928	
Isotype: IgG	Full Name: protein inhibitor of activated STAT, 2	
Immunogen Catalog Number: AG9032	Calculated MW: 63 kDa, 69 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells, K-562 cells IF : MCF-7 cells,
Cited Applications: WB, IF	
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 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
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

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

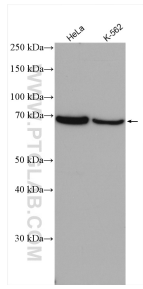
T: 4006900926

E: Proteintech-CN@ptglab.com

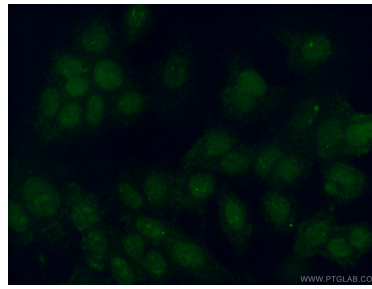
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Selected Validation Data



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).