

For Research Use Only

# PIAS3 Polyclonal antibody

Catalog Number: 13486-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 13486-1-AP	<b>GenBank Accession Number:</b> BC030556	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 350 µg/ml	<b>GeneID (NCBI):</b> 10401	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9Y6X2	IHC 1:100-1:400
<b>Isotype:</b> IgG	<b>Full Name:</b> protein inhibitor of activated STAT, 3	IF/ICC 1:20-1:200
<b>Immunogen Catalog Number:</b> AG4304	<b>Calculated MW:</b> 628 aa, 68 kDa	
	<b>Observed MW:</b> 67 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, HeLa cells
<b>Cited Applications:</b> WB, IHC	<b>IHC :</b> human lung cancer tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> HepG2 cells,
<b>Cited Species:</b> human, mouse, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

PIAS3(E3 SUMO-protein ligase PIAS3) is a protein of 583 amino acid, has a molecular mass of 68 kDa and belongs to a family of proteins that includes several other members(PMID:11060035). PIAS3 is an inhibitor of activated STAT3 and binds microphthalmia-associated transcription factor, which is a key DNA-binding protein, in rat basophilic leukemia cells and mouse melanocytes(PMID:11709556). The PIAS3 antibody detects PIAS3 (68 kDa) as well as its sumoylated form (85 kDa) in some normal mouse tissues, breast and brain tumor cell lines(PMID:20371673).

## Notable Publications

Author	Pubmed ID	Journal	Application
Cunyang Gu	36601740	Mol Med Rep	WB
Jie Chen	38844181	Biochim Biophys Acta Mol Cell Res	WB
Huanhuan Zhao	38750767	Free Radic Biol Med	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:

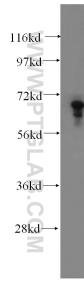
T: 4006900926

E: Proteintech-CN@ptglab.com

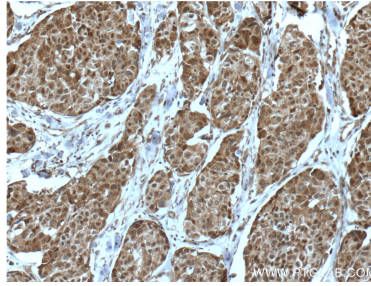
W: ptgcn.com

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

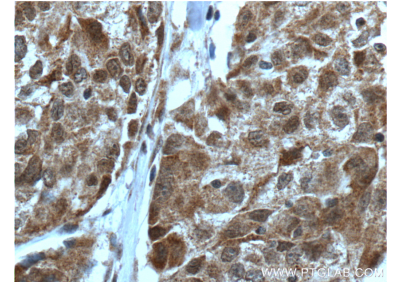
## Selected Validation Data



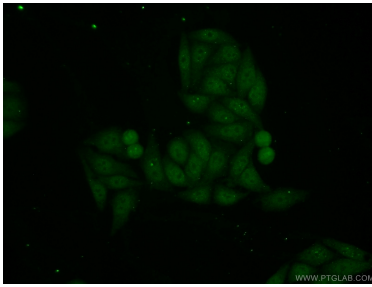
HepG2 cells were subjected to SDS PAGE followed by western blot with 13486-1-AP (PIAS3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13486-1-AP (PIAS3 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13486-1-AP (PIAS3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 13486-1-AP (PIAS3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).