

For Research Use Only

PIAS3 Polyclonal antibody

Catalog Number: 13486-1-AP **3 Publications**



Basic Information

Catalog Number: 13486-1-AP	GenBank Accession Number: BC030556	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10401	Recommended Dilutions: WB 1:500-1:1000 IHC 1:100-1:400 IF 1:20-1:200
Source: Rabbit	Full Name: protein inhibitor of activated STAT, 3	
Isotype: IgG	Calculated MW: 628 aa, 68 kDa	
Immunogen Catalog Number: AG4304	Observed MW: 67 kDa	

Applications

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

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
Wenfang Bao	37689128	Pharmacol Res	WB,IHC
Moli Wu	37298405	Int J Mol Sci	IHC

Storage

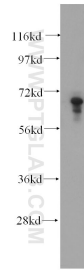
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

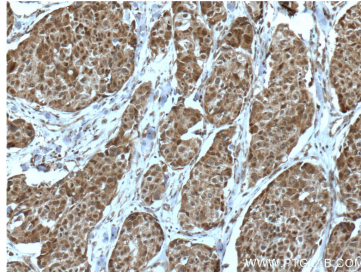
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

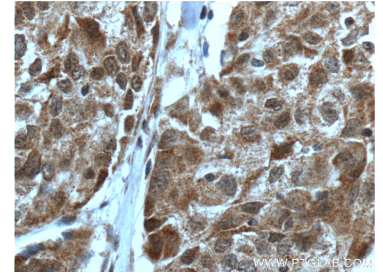
Selected Validation Data



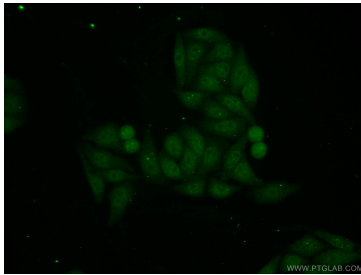
HepG2 cells were subjected to SDS PAGE followed by western blot with 13486-1-AP (PIAS3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).