

For Research Use Only

PIAS3 Polyclonal antibody

Catalog Number: 13486-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

13486-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4304

GenBank Accession Number:

BC030556

GeneID (NCBI):

10401

UNIPROT ID:

Q9Y6X2

Full Name:

protein inhibitor of activated STAT, 3

Calculated MW:

628 aa, 68 kDa

Observed MW:

67 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:100-1:400

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

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

Positive Controls:

WB : HepG2 cells, HeLa cells

IHC : human lung cancer tissue,

IF/ICC : HepG2 cells,

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

*** 20ul sizes contain 0.1% BSA

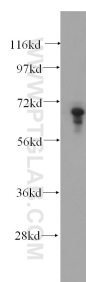
For technical support and original validation data for this product please contact:

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

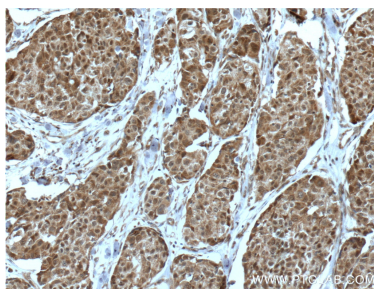
E: proteintech@ptglab.com
W: ptglab.com

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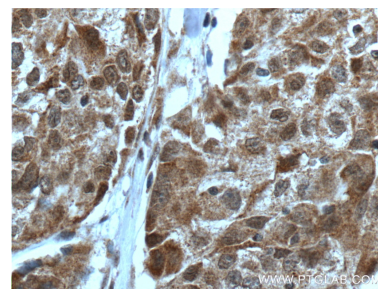
Selected Validation Data



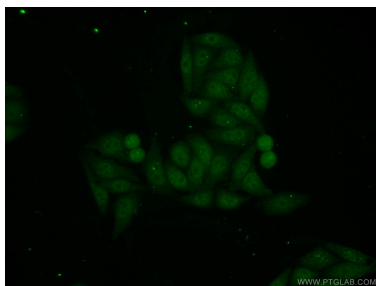
HepG2 cells were subjected to SDS PAGE followed by western blot with 13486-1-AP (PIAS3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).