

PIAS3 Polyclonal Antibody

Catalog number: 13486-1-AP

Size: 35 µg/150 µl

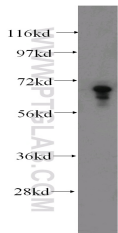
Source: Rabbit

Isotype: IgG

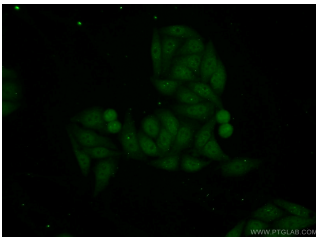
Synonyms:

PIAS3; E3 SUMO protein ligase

PIAS3, FLJ14651, PIAS3, ZMIZ5



HepG2 cells were subjected to SDS PAGE followed by western blot with 13486-1-AP(PIAS3 antibody) at dilution of 1:300



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)

Background

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).

Applications

Tested applications:	ELISA, WB, IF
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated PIAS3 MW:	628aa,68 kDa
Observed PIAS3 MW:	67 kDa
Positive WB detected in	HepG2 cells, HeLa cells
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4304
GenBank accession number:	BC030556
Gene ID (NCBI):	10401
Full name:	Protein inhibitor of activated STAT, 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.