

PIAS4 Polyclonal Antibody

Catalog number: 14242-1-AP

Size: 20 µg/150 µl

Source: Rabbit

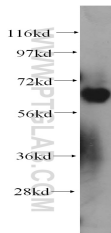
Isotype: IgG

Synonyms:

PIAS4; E3 SUMO protein ligase

PIAS4, FLJ12419, PIAS gamma,

PIAS4, Piasg, PIASY, ZMIZ6



K-562 cells were subjected to SDS PAGE followed by western blot with 14242-1-AP(PIAS4 antibody) at dilution of 1:300

Background

PIAS4 (protein inhibitor of activated STAT protein 4) is also named as PIASG, PIASY and belongs to the PIAS family. It enhanced the conjugation of SUMO2 to GATA2 through its E3 SUMO ligase activity. TGF- β can up-regulate PIAS4 expression in MCs to down-regulate α -SMA gene transcription by the interaction with E12 and PIAS4 predominantly acts as E3 ligases for E12 in MCs among PIAS family members (PMID:22829926). This protein can be sumoylated and Lys-35 is the main site of sumoylation (PMID:15831457).

Applications

Tested applications:	ELISA, WB
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Mouse
Calculated PIAS4 MW:	57kd
Observed PIAS4 MW:	57-70kd
Positive WB detected in	K-562 cells, HL-60 cells, mouse ovary tissue, mouse pancreas tissue
Recommended dilution:	WB: 1:500-1:5000

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

Immunogen information

Immunogen:	Ag5498
GenBank accession number:	BC029874
Gene ID (NCBI):	51588
Full name:	Protein inhibitor of activated STAT, 4

Product information

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