

Anti-PIAS4 /PIASy antibody, mouse monoclonal (10-24.6)70-510 100 μ l**Storage:** Shipped at 4°C and store at -20°C.**Reactivity:** Human PIAS4. Does not react with other PIAS. Not tested in other species.**Applications**

1. Western blotting (1/ 2,500)
2. Immunoprecipitation (1/50)
3. Immunofluorescent staining (1/250)

Immunogen: Recombinant His-tagged human PIAS4 (2-473)**Form:** Purified IgG, 0.5 mg/ml in PBS, 10% glycerol, 0.04% sodium azide.**Isotype:** Mouse IgG2a**Background:** PIAS4 functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53/TP53 pathway, the Wnt pathway and the steroid hormone signaling pathway. Involved in gene silencing. Mediates sumoylation of CEBPA, PARK7, HERC2, MYB, TCF4 and RNF168. In Wnt signaling, represses LEF1 and enhances TCF4 transcriptional activities through promoting their sumoylations. Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation. Human

PIAS4 consists of 510 amino acids with molecular mass of 56,504 Da.

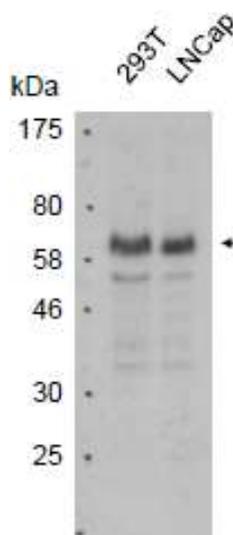
Data Link UniProtKB [Q8N2W9](#) (PIAS4_HUMAN) Entrez Gene [51588](#) (Human)**References:** There is no publication which used this antibody.

Fig.1 Detection of endogenous PIAS4 in whole cell extracts of 293T and LNCap cell lines by western blotting with anti-PIAS4 antibody (10-24.6)

The antibody was used at 1/2,500 dilution.

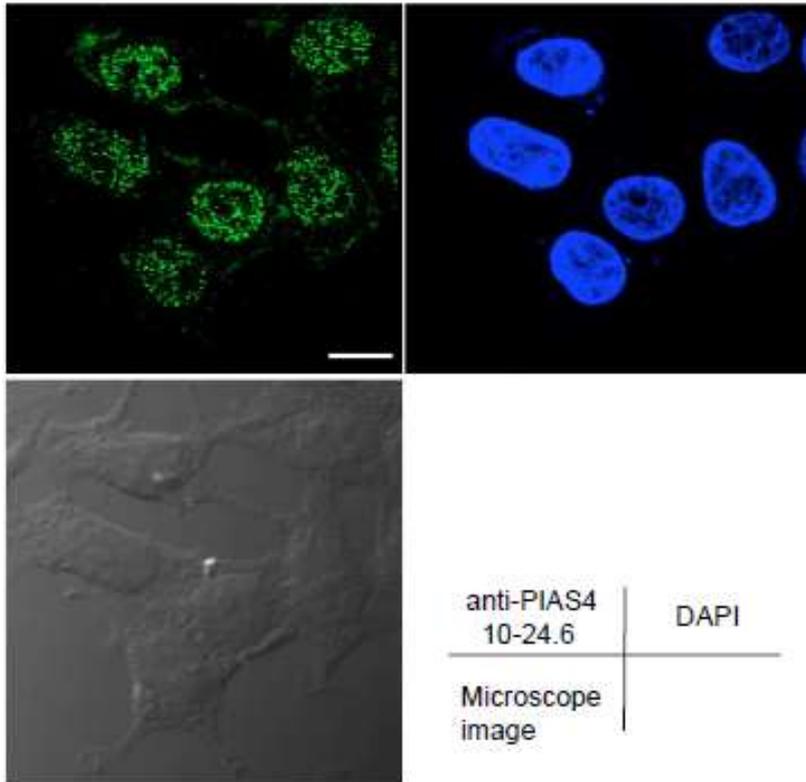


Fig.2 Immunofluorescence staining of PIAS4 in 293T cells with anti-PIAS4 antibody (10-24.6)

The antibody was used at 1/250 dilution. As the second antibody, Alexa Fluor 488 conjugated sheep anti-mouse IgG

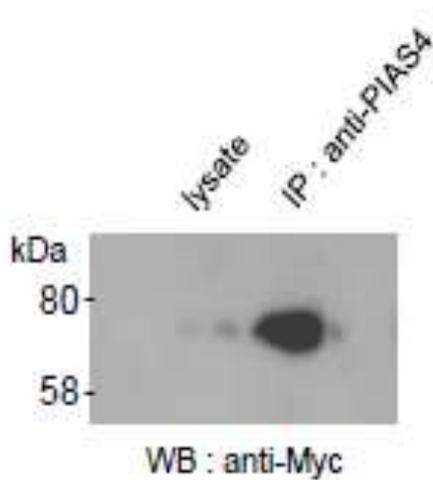


Fig.3 Immunoprecipitation of PIAS4 with anti-PIAS4 antibody (10-24.6)

Myc-tagged PIAS4 was immuno-precipitated from 293T cells transfected with Myc-tagged plasmid and detected with anti-Myc antibody. The anti-PIAS4 antibody was used at 1/50 dilution.

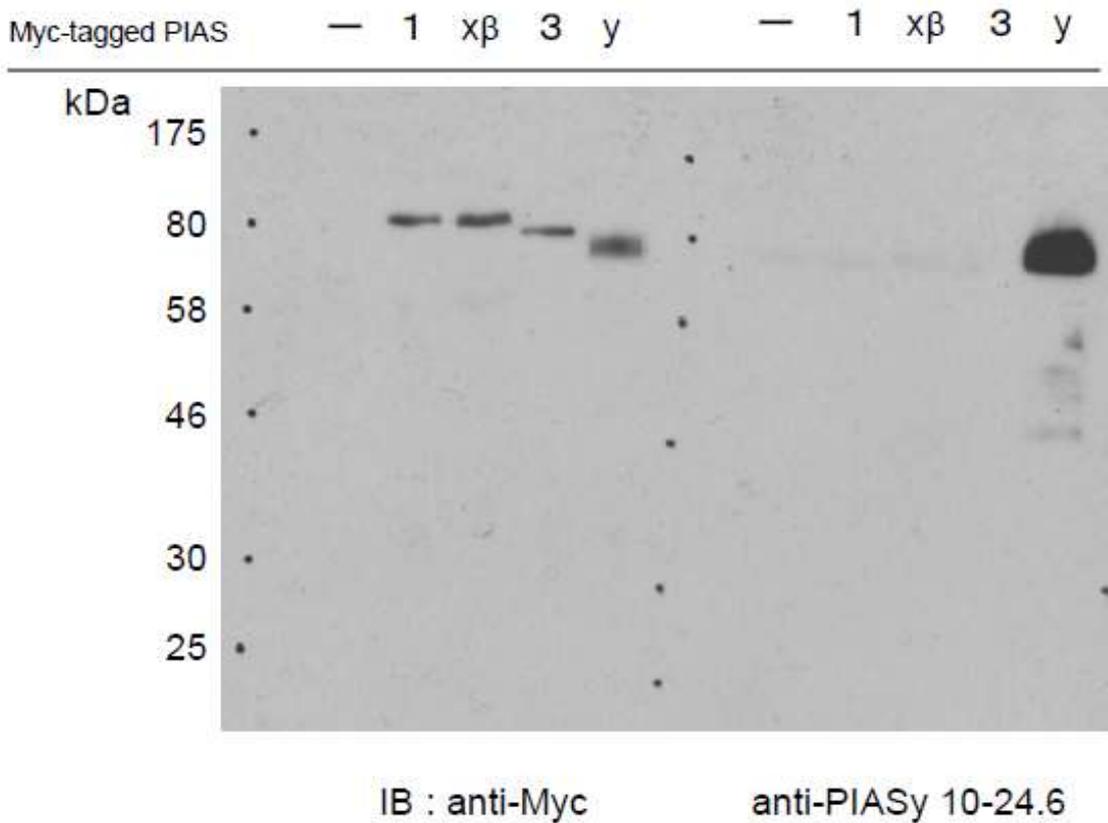
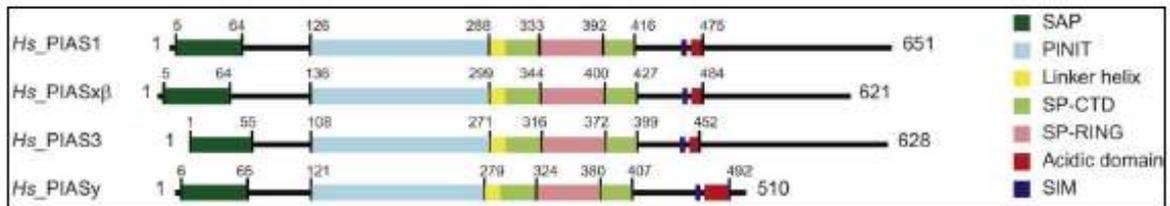


Fig.4 Anti-PIAS4/PIASy (10-24.6) antibody reacts with PIAS4/PIASy but not with other PIAS proteins.

Western blot analysis of Myc-tagged PIAS proteins expressed in 293T transfected cells with anti-PIAS4/PIASy antibody (right panel) and anti-Myc antibody (left panel). Coconstructs of various Myc-tagged PIAS expression plasmid are depicted in upper panel.