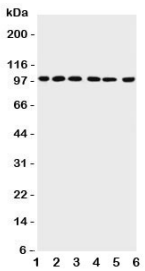
PIAS1 Antibody (R31376)

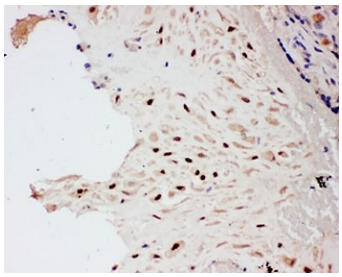
Catalog No.	Formulation	Size
R31376	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

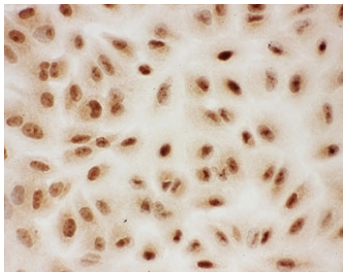
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O75925
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml Immunocytochemistry: 0.5-1ug/ml
Limitations	This PIAS1 antibody is available for research use only.



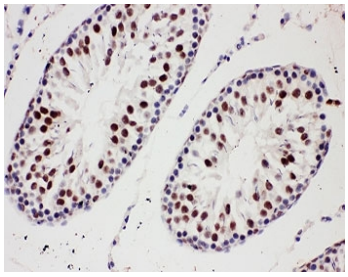
Western blot testing of PIAS1 antibody and Lane 1: rat testis; 2: mouse testis; 3: human HeLa; 4: (h) Jurkat; 5: (h) MCF-7; 6: (h) SKOV lysate; Expected size: 72~100KD



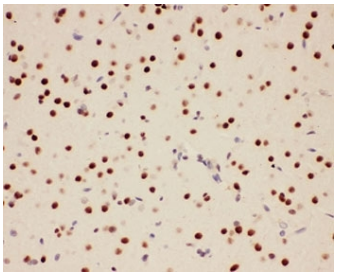
IHC-P: PIAS1 antibody testing of human placenta tissue



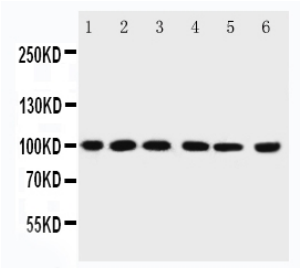
ICC testing of PIAS1 antibody and A549 cells



IHC-P: PIAS1 antibody testing of rat testis tissue



IHC-P: PIAS1 antibody testing of rat brain tissue



Description

E3 SUMO-protein ligase PIAS1 is an enzyme that in humans is encoded by the PIAS1 gene. This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1(signal transducer and activator of transcription-1)] family. It contains a putative zinc-binding motif and a highly acidic region. PIAS1 inhibited STAT1-mediated gene activation in response to interferon when expressed in mammalian cells. It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in AR initiation and maintenance of spermatogenesis. PIAS1 can also function as a SUMO ligase, or possibly as a tightly bound regulator of it, toward p53.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the PIAS1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 636-651 (DTASIFGIIPDIISLD-human) were used as the immunogen for this PIAS1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the PIAS1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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