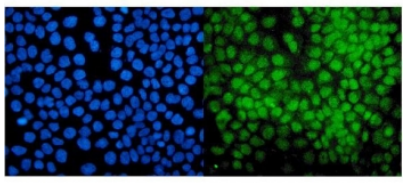
PIAS1 Antibody (RQ6000)

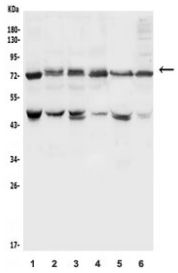
Catalog No.	Formulation	Size
RQ6000	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

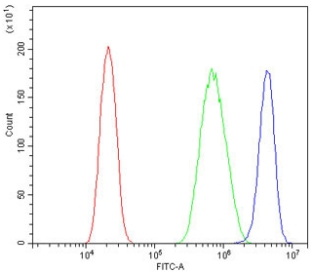
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O75925
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PIAS1 antibody is available for research use only.



Immunofluorescent staining of FFPE human A431 cells with PIAS1 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) HepG2, 2) Jurkat, 3) HEK293, 4) Raji, 5) K562 and 6) HeLa lysate with PIAS1 antibody. Expected molecular weight: 72-100 kDa.



Flow cytometry testing of human PC-3 cells with PIAS1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PIAS1 antibody.

Description

E3 SUMO-protein ligase PIAS1 is an enzyme that in humans is encoded by the PIAS1 gene. It is mapped to 15q23. This gene encodes a member of the protein inhibitor of activated STAT (PIAS) family. PIAS proteins function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. This protein plays a central role as a transcriptional coregulator of numerous cellular pathways includign the STAT1 and nuclear factor kappaB pathways. Alternate splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the PIAS1 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q96-K300) was used as the immunogen for the PIAS1 antibody.

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.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com