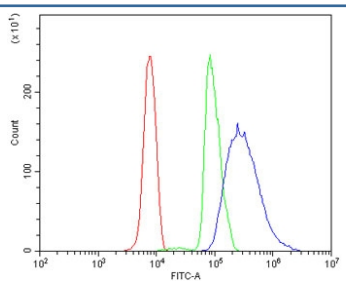
PIAS2 Antibody (RQ6001)

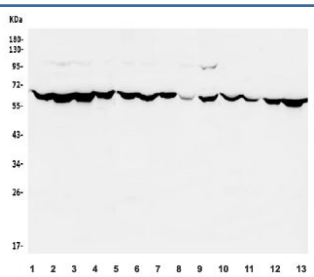
Catalog No.	Formulation	Size
RQ6001	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O75928
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PIAS2 antibody is available for research use only.



Flow cytometry testing of human U937 cells with PIAS2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PIAS2 antibody.



Western blot testing of human 1) K562, 2) HeLa, 3) HepG2, 4) HEK293, 5) HL-60, 6) Raji, 7) A431, 8) rat brain, 9) rat C6, 10) mouse brain, 11) mouse testis, 12) mouse Neuro-2a and 13) mouse RAW264.7 lysate with PIAS2 antibody. Predicted molecular weight: ~63 kDa.

Description

E3 SUMO-protein ligase PIAS2 is an enzyme that in humans is encoded by the PIAS2 gene. It is mapped to 18q21.1. This gene encodes a member of the protein inhibitor of activated STAT family, which function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Isoforms of the encoded protein enhance the sumoylation of specific target proteins including the p53 tumor suppressor protein, c-Jun, and the androgen receptor. A pseudogene of this gene is located on the short arm of chromosome 4. The symbol MIZ1 has also been associated with ZBTB17 which is a different gene located on chromosome 1.

Application Notes

Optimal dilution of the PIAS2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E93-K311) was used as the immunogen for the PIAS2 antibody.

Storage

After reconstitution, the PIAS2 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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