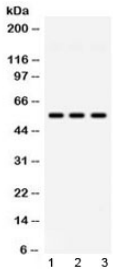
PIAS4 Antibody / PIASg (R32550)

Catalog No.	Formulation	Size
R32550	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
UniProt	Q8N2W9
Applications	Western blot: 0.5-1ug/ml
Limitations	This PIAS4 antibody is available for research use only.



Western blot testing of 1) rat testis, 2) mouse testis and 3) human HeLa lysate with PIAS4 antibody at 0.5ug/ml. Predicted/observed molecular weight ~57 kDa.

Description

Protein inhibitor of activated STAT protein 4 or protein inhibitor of activated STAT protein gamma (PIASg or PIASy), is an enzyme that in humans is encoded by the PIAS4 gene. This gene is mapped to 19p13.3. This gene 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. It also 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. This gene involved in gene silencing.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the PIAS4 antibody to be titrated for optimal performance.

Immunogen

Amino acids 130-174 (EVRLVKLPFFNMLDELLKPTELVPQNNEKLQESPCIFALTPRQVE) from the human protein were used as the immunogen for the PIAS4 antibody.

Storage

After reconstitution, the PIAS4 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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