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Datasheet for ABIN3032369

anti-PIAS1 antibody (AA 636-651)

10 Images

Overview

Quantity:	100 µg
Target:	PIAS1
Binding Specificity:	AA 636-651
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Amino acids 636-651 (DTASIFGIIPDIISLD-human) were used as the immunogen for this PIAS1 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	PIAS1
Alternative Name:	PIAS1 (PIAS1 Products)
Background:	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

Target Details

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.

UniProt: [O75925](#)

Pathways: [JAK-STAT Signaling](#), [Interferon-gamma Pathway](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#), [Hepatitis C](#)

Application Details

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.\.
Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL

Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

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

Images

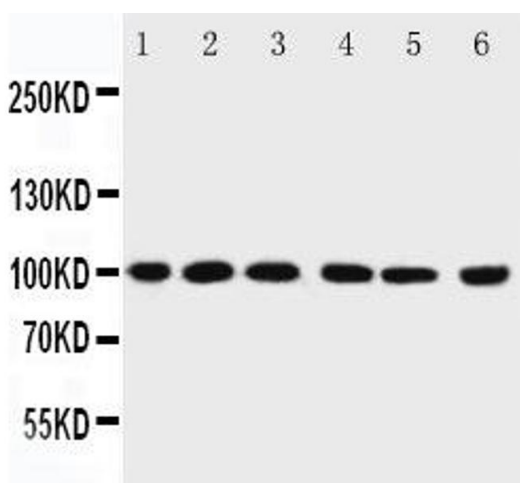
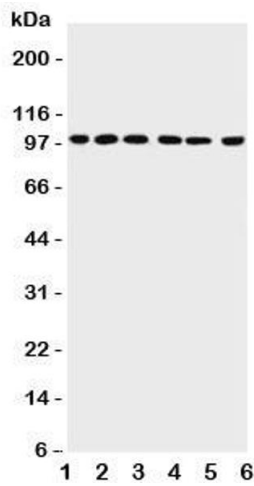
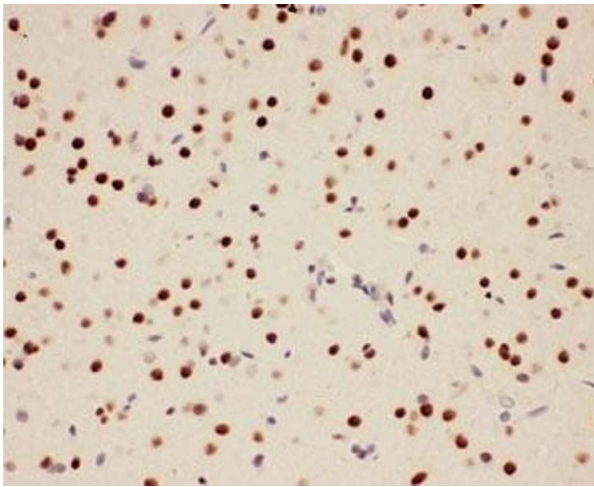


Image 1.



Western Blotting

Image 2. Western blot testing of PIAS1 antibody and Lane 1: rat testis



Immunohistochemistry

Image 3. IHC-P: PIAS1 antibody testing of rat brain tissue

Please check the [product details page](#) for more images. Overall 10 images are available for ABIN3032369.