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Datasheet for ABIN3044474 anti-PIAS1 antibody (C-Term)

6 Images

1 Publication



Overview

Quantity:	100 µg
Target:	PIAS1
Binding Specificity:	AA 636-651, C-Term
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

Purpose:	Rabbit IgG polyclonal antibody for E3 SUMO-protein ligase PIAS1(PIAS1) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human PIAS1(636-651aa DTASIFGIIPDIISLD), identical to the related mouse and rat sequences.
Sequence:	DTASIFGIIP DIISLD
Isotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for E3 SUMO-protein ligase PIAS1(PIAS1) detection. Tested with WB, IHC-P, ICC in Human,Mouse,Rat. Gene Name: protein inhibitor of activated STAT, 1

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Product Details

Product Details	
	Protein Name: E3 SUMO-protein ligase PIAS1
Purification:	Immunogen affinity purified.
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. It is mapped to 15q23. This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1(signal transducer and activator of transcription-1)] family. This member 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. On the other hand, PIAS1 also can function as a SUMO ligase, or possibly as a tightly bound regulator of it, toward p53. Synonyms: DDXBP1 antibody DEAD/H box binding protein 1 antibody DEAD/H box-binding protein 1 antibody E3 SUMO-protein ligase PIAS1 antibody GBP antibody Gu binding protein antibody Gu-binding protein 1 antibody PIAS1_HUMAN antibody Protein inhibitor of activated STAT protein 1 antibody RNA helicase II binding protein antibody RNA helicase II- binding protein antibody
UniProt:	075925
Pathways:	JAK-STAT Signaling, Interferon-gamma Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Muscle Cell Differentiation, Hepatitis C

Application Details

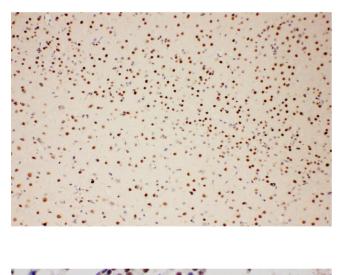
Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
	IHC-P: Concentration: 0.5-1 μ g/mL, Tested Species: Human, Rat, Predicted Species: Mouse,
	Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for
	20 mins is required for the staining of formalin/paraffin sections.
	ICC: Concentration: 0.5-1 μ g/mL, Tested Species: Human, Mouse, Predicted Species: Rat
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be
	fit for the product based on sequence similarities. Other applications have not been tested.
	Optimal dilutions should be determined by end users.

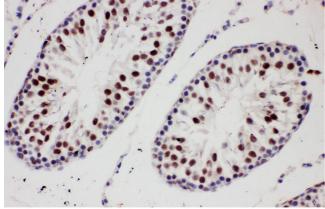
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Application Details	
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μ g/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Publications	
Product cited in:	Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies." in: The journal of histochemistry and cytochemistry : official journal of the

Histochemistry Society, Vol. 43, Issue 3, pp. 313-20, (1995) (PubMed).

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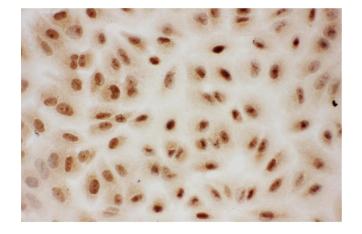


Immunohistochemistry

Image 1. Anti-PIAS1 antibody, IHC(P) IHC(P): Rat Brain Tissue

Immunohistochemistry

Image 2. Anti-PIAS1 antibody, IHC(P) IHC(P): Rat Testis Tissue



Immunohistochemistry

Image 3. Anti-PIAS1 antibody, ICC ICC: A549 Cell

Please check the product details page for more images. Overall 6 images are available for ABIN3044474.

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