



[Go to Product page](#)

Datasheet for ABIN7150963  
**anti-PIAS1 antibody (AA 422-651)**

3 Images

### Overview

Quantity:	100 µL
Target:	PIAS1
Binding Specificity:	AA 422-651
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

### Product Details

Immunogen:	Recombinant Human E3 SUMO-protein ligase PIAS1 protein (422-651AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

### Target Details

Target:	PIAS1
Alternative Name:	PIAS1 ( <a href="#">PIAS1 Products</a> )
Background:	Background: 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. Plays a crucial

## Target Details

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role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. In vitro, binds A/T-rich DNA. The effects of this transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context. Together with PRMT1, may repress STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling. Sumoylates PML (at Lys-65 and Lys-160) and PML-RAR and promotes their ubiquitin-mediated degradation. PIAS1-mediated sumoylation of PML promotes its interaction with CSNK2A1/CK2 which in turn promotes PML phosphorylation and degradation (By similarity). Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation.

Aliases: AR interacting protein antibody, DDXBP1 antibody, DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1 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 antibody, GU/RH-II antibody, Pias1 antibody, PIAS1\_HUMAN antibody, Protein inhibitor of activated STAT protein 1 antibody, Protein inhibitor of activated STAT, 1 antibody, RNA helicase II binding protein antibody, RNA helicase II-binding protein antibody, Zinc finger, MIZ-type containing 3 antibody, ZMIZ3 antibody

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UniProt: [075925](#)

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

## Application Details

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Application Notes: Recommended dilution: IHC:1:20-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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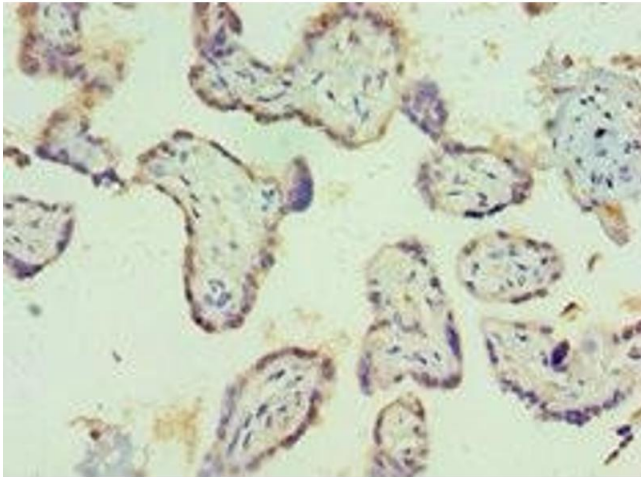
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

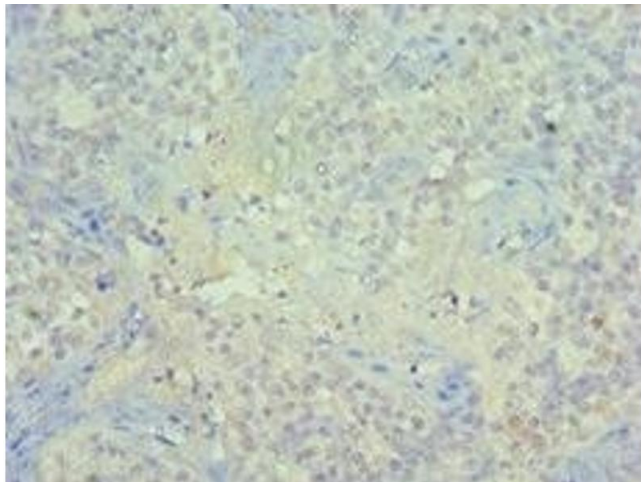
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



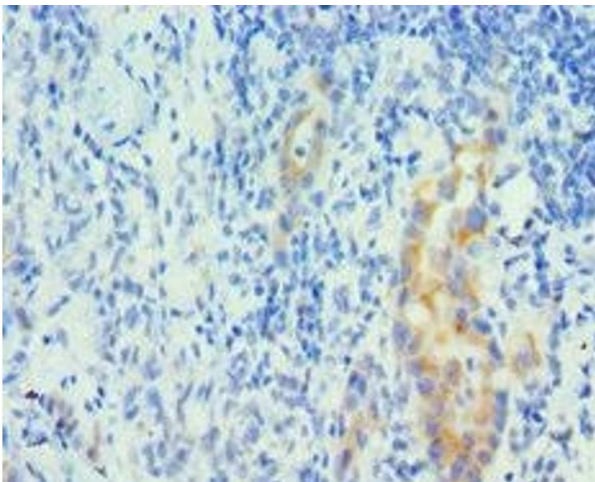
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human placenta tissue using ABIN7150963 at dilution of 1:100



#### Immunohistochemistry

**Image 2.** Immunohistochemistry of paraffin-embedded human tonsil tissue using ABIN7150963 at dilution of 1:100



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human lung cancer using ABIN7150963 at dilution of 1:100