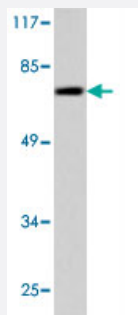


# PIAS1 polyclonal antibody

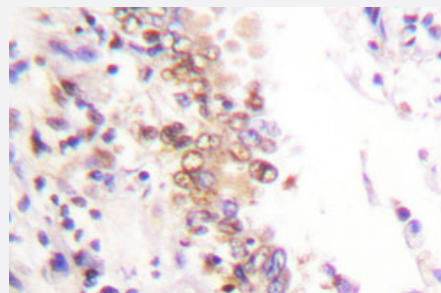
Catalog # PAB27097      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with PIAS1 polyclonal antibody (Cat # PAB27097).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using PIAS1 polyclonal antibody (Cat # PAB27097).

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of PIAS1.
<b>Immunogen</b>	A synthetic peptide corresponding to human PIAS1.
<b>Host</b>	Rabbit
<b>Theoretical MW (kDa)</b>	72
<b>Reactivity</b>	Human, Mouse
<b>Specificity</b>	PIAS1 polyclonal antibody detects endogenous levels of PIAS1 protein.
<b>Form</b>	Liquid

Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with PIAS1 polyclonal antibody (Cat # PAB27097).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using PIAS1 polyclonal antibody (Cat # PAB27097).

## Gene Info — PIAS1

Entrez GeneID	<a href="#">8554</a>
Protein Accession#	<a href="#">O75925</a>
Gene Name	PIAS1
Gene Alias	DDXBP1, GBP, GU/RH-II, MGC141878, MGC141879, ZMIZ3
Gene Description	protein inhibitor of activated STAT, 1
Omim ID	<a href="#">603566</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

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. It inhibits STAT1-mediated gene activation and the DNA binding activity, binds to Gu protein/RNA helicase II/DEAD box polypeptide 21, and interacts with androgen receptor (AR). It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in AR initiation and maintenance of spermatogenesis. [provided by RefSeq]

**Other Designations**

AR interacting protein|DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1|protein inhibitor of activated STAT-1|zinc finger, MIZ-type containing 3

**Pathway**

- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [Ubiquitin mediated proteolysis](#)

**Disease**

- [Multiple Sclerosis](#)