

Datasheet for ABIN356763
anti-PIAS1 antibody (C-Term)



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2 Images

Overview

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| Quantity: | 0.4 mL |
| Target: | PIAS1 |
| Binding Specificity: | C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PIAS1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

Product Details

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| Immunogen: | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human PIAS1. |
| Isotype: | Ig Fraction |
| Specificity: | This antibody is specific to PIAS1 (C-term). |
| Purification: | Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |

Target Details

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

Target Details

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| Background: | PIAS1 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 protein plays a crucial role in transcriptional coregulation of various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in androgen receptor initiation and maintenance of spermatogenesis. The effects of transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context.Synonyms: DDXBP1, DEAD/H box-binding protein 1, E3 SUMO-protein ligase PIAS1, Gu-binding protein, PIAS-1, Protein inhibitor of activated STAT protein 1, RNA helicase II-binding protein |
| Gene ID: | 8554, 9606 |
| UniProt: | O75925 |
| 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: | ELISA: 1/1,000. Western blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | PBS containing 0.09 % (W/V) Sodium Azide as preservative. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer. |

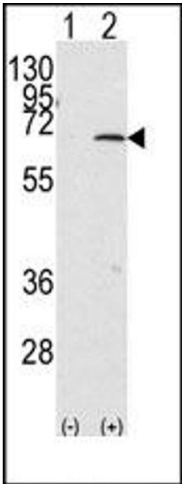


Image 1.

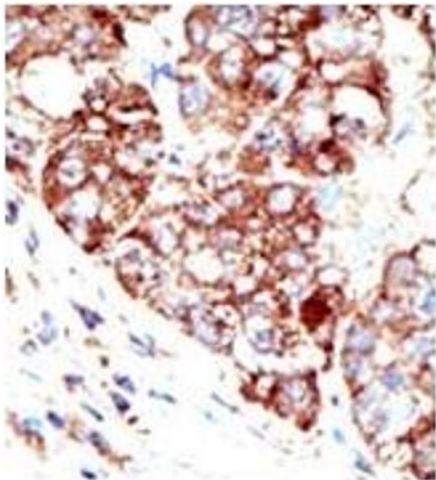


Image 2.