

Rabbit PIAS1 Polyclonal Antibody | anti-PIAS1 antibody

Anti-PIAS1 antibody

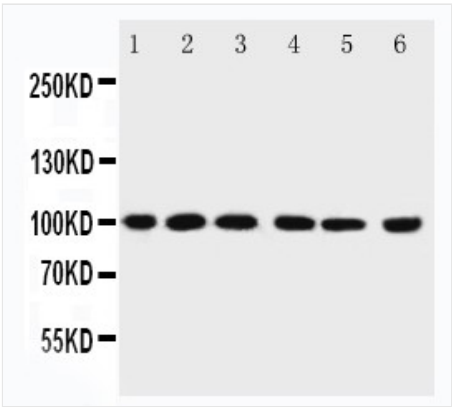
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11605	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry

PRODUCT SYNONYMS

PIAS1; Polyclonal Antibody; Anti-PIAS1 antibody; E3 SUMO-protein ligase PIAS1; protein inhibitor of activated STAT; 1; 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 antibody; Pias1 antibody; PIAS1_HUMAN antibody; Protein inhibitor of activated STAT protein 1 antibody; RNA helicase II binding protein antibody; RNA helicase II-binding protein antibody; anti-PIAS1 antibody

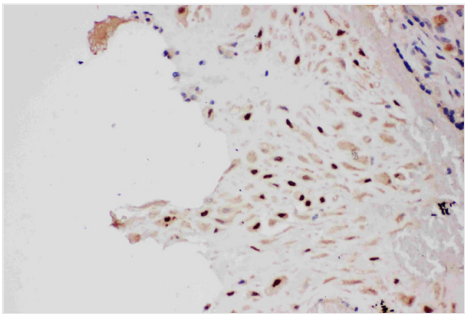
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	651
Applicable Applications for anti-PIAS1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
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.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

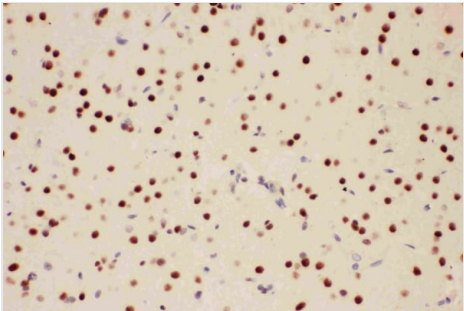


WB (Western Blot)

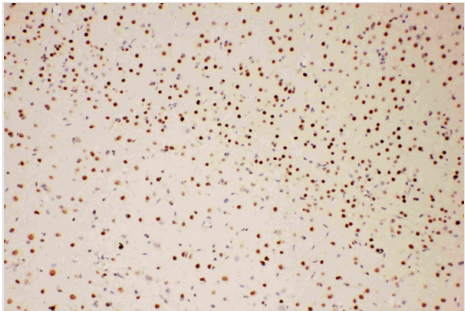
Anti-PIAS1 antibody, AAA11605, All Western blottingAll lanes: Anti-PIAS1(AAA11605) at 0.5ug/mlLane 1: Rat Testis Tissue Lysate at 40ugLane 2: Mouse Testis Tissue Lysate at 40ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: JURKAT Whole Cell Lysate at 40ugLane 5: MCF-7 Whole Cell Lysate at 40ugLane 6: SKOV Whole Cell Lysate at 40ugPredicted bind size: 72KDObserved bind size: 100KD



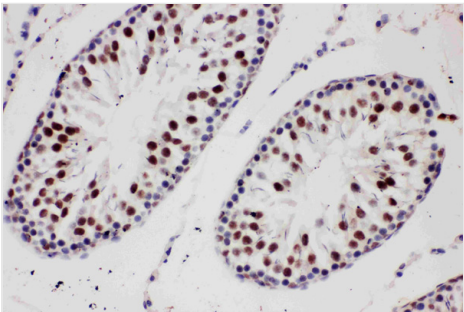
IHC (Immunohistochemistry)
Anti-PIAS1 antibody, AAA11605, IHC(P)IHC(P): Human Placenta Tissue



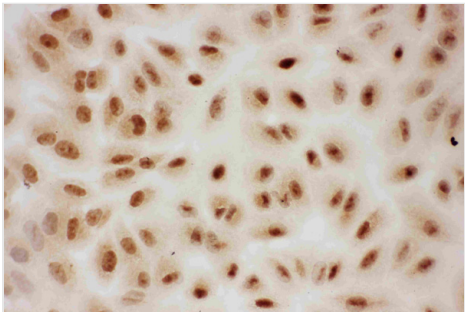
IHC (Immunohistochemistry)
Anti-PIAS1 antibody, AAA11605, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti-PIAS1 antibody, AAA11605, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti-PIAS1 antibody, AAA11605, IHC(P)IHC(P): Rat Testis Tissue



ICC (Immunocytochemistry)
Anti-PIAS1 antibody, AAA11605, ICCICC: A549 Cell

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS1 antibody

Description: Rabbit IgG polyclonal antibody for E3 SUMO-protein ligase PIAS1(PIAS1) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.

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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20138891
NCBI GeneID	8554
UniProt Accession #	O75925; Q147X4; Q99751; Q9UN02; B2RB67; B3KSY9
Molecular Weight	72,203 Da
NCBI Official Full Name	E3 SUMO-protein ligase PIAS1
NCBI Official Synonym Full Names	protein inhibitor of activated STAT, 1
NCBI Official Symbol	PIAS1
NCBI Official Synonym Symbols	GBP; ZMIZ3; DDXBP1; GU/RH-II
NCBI Protein Information	E3 SUMO-protein ligase PIAS1; gu-binding protein; AR interacting protein; DEAD/H box-binding protein 1; RNA helicase II-binding protein; zinc finger, MIZ-type containing 3; protein inhibitor of activated STAT-1; protein inhibitor of activated STAT protein 1; DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1
UniProt Protein Name	E3 SUMO-protein ligase PIAS1
UniProt Gene Name	PIAS1
UniProt Synonym Gene Names	DDXBP1; GBP
UniProt Entry Name	PIAS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pias1-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/11605>