

Rabbit anti-Human E3 SUMO-protein ligase PIAS1 Polyclonal Antibody | anti-PIAS1 antibody

Rabbit anti-human E3 SUMO-protein ligase PIAS1 polyclonal Antibody(PIAS1)

CATALOG # AAA119393	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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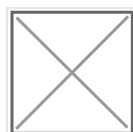
PRODUCT SYNONYMS

E3 SUMO-protein ligase PIAS1; Polyclonal Antibody; Rabbit anti-human E3 SUMO-protein ligase PIAS1 polyclonal Antibody(PIAS1); DEAD/H box-binding protein 1; Gu-binding protein; GBP; Protein inhibitor of activated STAT protein 1; RNA helicase II-binding protein; PIAS1; DDXBP1; anti-PIAS1 antibody

PRODUCT SPECIFICATIONS

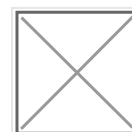
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	651
Applicable Applications for anti-PIAS1 antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human E3 SUMO-protein ligase PIAS1 protein (422-651aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8152 / sc-8153 / sc-14016
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



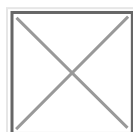
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using AAA119393 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using AAA119393 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human tonsil using AAA119393 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS1 antibody	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 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 paralogue-selective sumoylation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7706637
NCBI GeneID	8554
NCBI Accession #	NP_057250.1
NCBI GenBank Nucleotide #	NM_016166.1
UniProt Accession #	O75925; Q147X4; Q99751; Q9UN02; B2RB67; B3KSY9; C5J4B4
Molecular Weight	36,204 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
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/e3-sumo-protein-ligase-pias1-antibody-immunohistochemistry-elisa/119393>