

Rabbit anti-Human PIAS4 Polyclonal Antibody | anti-PIAS4 antibody

Anti-PIAS4 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257028	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

PIAS4; Polyclonal Antibody; Anti-PIAS4 Antibody; Rabbit Polyclonal; PIAS4 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-PIAS-gamma Antibody; Anti-Piasg Antibody; Anti-PIASY Antibody; Anti-ZMIZ6 Antibody; anti-PIAS4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PIAS4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PIAS4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PIAS4 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PIAS4 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of PIAS4 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human PIAS4 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human PIAS4 in human testis with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PIAS4 antibody	The PIAS4 protein belongs to the family of protein inhibitors of activated STAT, but has since been implicated in various biological activities including the post-translational modification known as sumoylation. PIAS4 (protein inhibitor of activated STAT protein 4) is an E3-type SUMO ligase. It interacts with and suppresses the biological activity of the tumour suppressor protein von Hippel-Lindau (VHL) in renal clear-cell carcinoma. Sumoylation of VHL mediated by PIAS4 results in the formation of VHL oligomers, which in turn reduces its tumour suppressor activity against hypoxia-inducible factor 1 alpha (HIF1alpha). PIAS4 may also constitute a therapeutic target against pancreatic cancer.
Product Categories/Family for anti-PIAS4 antibody	Common G-Chain signaling pathway
References	Yan YL, et al. (2019) Dppa2/4 and sumo e3 ligase piase4 opposingly regulate zygotic transcriptional program. PLoS Biol 17 (6): e3000324.Chien W, et al. (2013) Piase4 is an activator of hypoxia signalling via vhl suppression during growth of pancreatic cancer cells. Br J Cancer 109 (7): 1795-1804.

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/pias4-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/257028>