

ARG59326 anti-PIAS4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PIAS4
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov, Dog, Hrs, Mk
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PIAS4
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 130-174 of Human PIAS4. (EVRLVKLPFFNMLDELLKPTLVLPQNNEKLQESPCIFALTPRQVE)
Conjugation	Un-conjugated
Alternate Names	PIASy; Piasg; EC 6.3.2.-; Protein inhibitor of activated STAT protein 4; Protein inhibitor of activated STAT protein gamma; E3 SUMO-protein ligase PIAS4; PIAS-gamma; PIASY; ZMIZ6

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

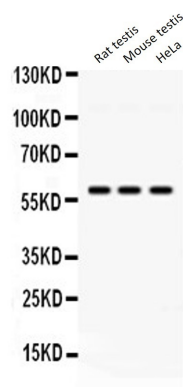
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PIAS4
Gene Full Name	protein inhibitor of activated STAT, 4
Function	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/TP53 pathway, the Wnt pathway and the steroid hormone signaling pathway. Involved in gene silencing. Mediates sumoylation of CEBPA, PARK7, HERC2, MYB, TCF4 and RNF168. In Wnt signaling, represses LEF1 and enhances TCF4 transcriptional activities through promoting their sumoylations. Enhances the sumoylation of MTA1 and may participate in its paralogue-selective sumoylation. [UniProt]
Calculated Mw	57 kDa
PTM	Sumoylated. Lys-35 is the main site of sumoylation. Sumoylation is required for TCF4 sumoylation and transcriptional activation. Represses LEF1 transcriptional activity. SUMO1 is the preferred conjugate. [UniProt]
Cellular Localization	Nucleus, PML body. Note=Colocalizes with SUMO1 and TCF7L2/TCF4 and LEF1 in a subset of PML (promyelocytic leukemia) nuclear bodies. [UniProt]

Images



ARG59326 anti-PIAS4 antibody WB image

Western blot: Rat testis, Mouse testis and HeLa whole cell lysates stained with ARG59326 anti-PIAS4 antibody at 0.5 ug/mL dilution.