

Datasheet for ABIN6145602
anti-PIAS4 antibody (AA 60-260)



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1 Image

Overview

Quantity:	100 µL
Target:	PIAS4
Binding Specificity:	AA 60-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIAS4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 60-260 of human PIAS4 (NP_056981.2).
Sequence:	ELYETRYAKK NSEPAPQPHR PLDPLTMHST YDRAGAVPRT PLAGPNIDYP VLYGKYLNGL GRLPAKTLKP EVRLVKLPFF NMLDELLKPT ELVPQNNEKL QESPCIFALT PRQVELIRNS RELQPGVKAV QVVLRCYSD TSCPQEDQYP PNIHAVKNHS YCSVPGYYPS NKPGVEPKRP CRPINLTHLM YLSSATNRIT V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

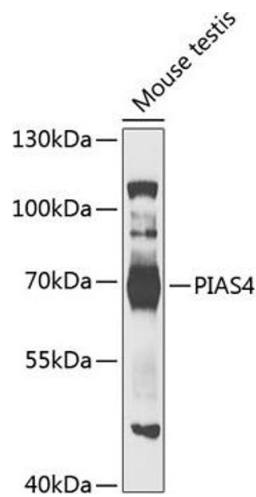
Target:	PIAS4
Alternative Name:	PIAS4 (PIAS4 Products)
Background:	Functions as an E3-type small ubiquitin-like modifier (SUMO ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular 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 paralog-selective sumoylation. PIAS4 , PIAS-gamma , PIASY , Piasg , ZMIZ6 , Epigenetics & Nuclear Signaling , Cell Biology & Developmental Biology , Ubiquitin , Ubiquitin-Proteasome Signaling Pathway , Immunology & Inflammation , IL-6 Receptor Signaling Pathway , NF-kB Signaling Pathway , PIAS4
Molecular Weight:	56 kDa
Gene ID:	51588
UniProt:	Q8N2W9
Pathways:	JAK-STAT Signaling , Interferon-gamma Pathway , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of mouse testis, using PI antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.