

PIASy Polyclonal Antibody

Catalog NumberPA1-41047

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Western Blot (WB)	3-5 µg/mL
Type	Antibody	Immunocytochemistry (ICC/IF)	1:10-1:2,000
Immunogen	Synthetic peptides corresponding to residues 44-60 and 187-198 of human PlaSg.		
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein G		
Storage buffer	PBS with 0.05% BSA		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

These sequences are 95% and 100% homologous in mouse and rat. Suggested positive control: liver, Jurkat.

Background/Target Information

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. [UniProt]

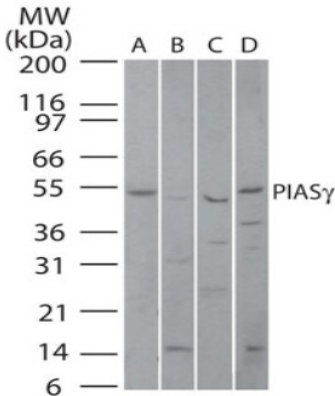
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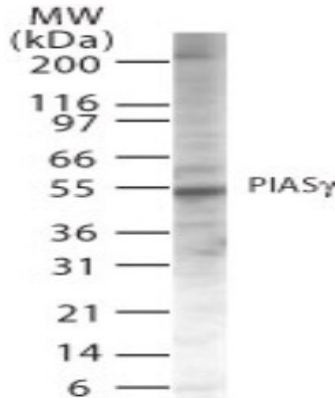
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Product Images For PIASy Polyclonal Antibody



PIASy Antibody (PA1-41047) in WB
Western blot analysis of PIASy in human liver, mouse liver, rat liver and human Jurkat lysate. Samples were incubated in PIASy polyclonal antibody (Product # PA1-41047) using a dilution of 5 µg/mL.



PIASy Antibody (PA1-41047) in WB
Western blot analysis of PIASy in Jurkat cell lysate. Samples were incubated in PIASy polyclonal antibody (Product # PA1-41047) using a dilution of 2 µg/mL.

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