BOSTER BIOLOGICAL TECHNOLOGY
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Anti-E3 SUMO-protein ligase PIAS1 PIAS1 Antibody Picoband®

Catalog Number: PA2252

About PIAS1

E3 SUMO-protein ligase PIAS1 is an enzyme that in humans is encoded by the PIAS1 gene. It is mapped to 15q23. This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1 (signal transducer and activator of transcription-1)] family. This member contains a putative zinc-binding motif and a highly acidic region. PIAS1 inhibited STAT1-mediated gene activation in response to interferon when expressed in mammalian cells. It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in AR initiation and maintenance of spermatogenesis. On the other hand, PIAS1 also can function as a SUMO ligase, or possibly as a tightly bound regulator of it, toward p53.

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Overview

Product Name	Anti-E3 SUMO-protein ligase PIAS1 PIAS1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-E3 SUMO-protein ligase PIAS1 PIAS1 Antibody catalog # PA2252. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O75925

Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PIAS1, identical to the related mouse and rat sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P) and ICC.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Immunocytochemistry , 0.5-1ug/ml, Human, Mouse, Rat

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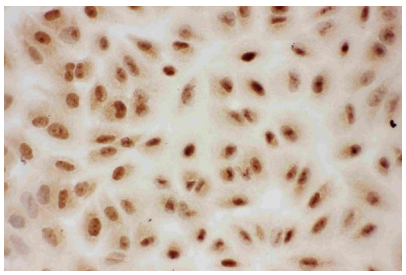
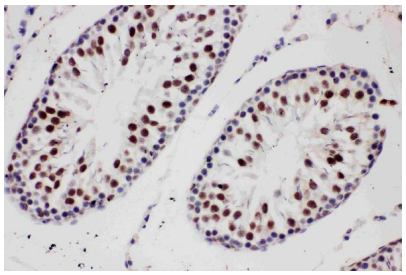
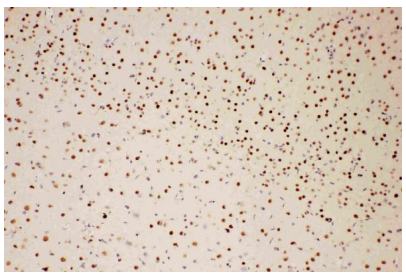
Anti-E3 SUMO-protein ligase PIAS1 PIAS1 Antibody Picoband® (PA2252) Images



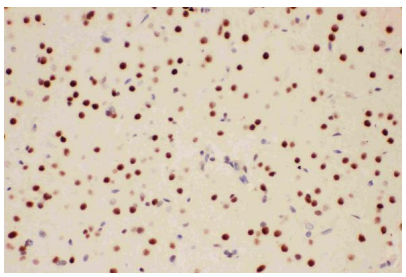
Anti-PIAS1 antibody, PA2252, ICCICC: A549 Cell



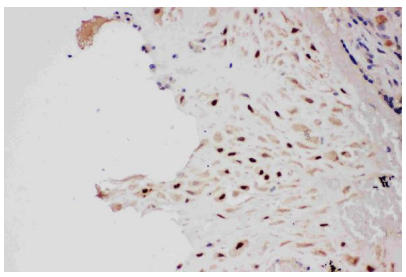
Anti-PIAS1 antibody, PA2252, IHC(P)IHC(P): Rat Testis Tissue



Anti-PIAS1 antibody, PA2252, IHC(P)IHC(P): Rat Brain Tissue



Anti-PIAS1 antibody, PA2252, IHC(P)IHC(P): Rat Brain Tissue



Anti-PIAS1 antibody, PA2252, IHC(P)IHC(P): Human Placenta Tissue

Anti-PIAS1 antibody, PA2252, All Western blottingAll lanes: Anti-PIAS1(PA2252) at 0.5ug/ml Lane 1: Rat Testis Tissue Lysate at 40ug Lane 2: Mouse Testis Tissue Lysate at 40ug Lane 3: HELA Whole Cell Lysate at 40ug Lane 4: JURKAT Whole Cell Lysate at 40ug Lane 5: MCF-7 Whole Cell Lysate

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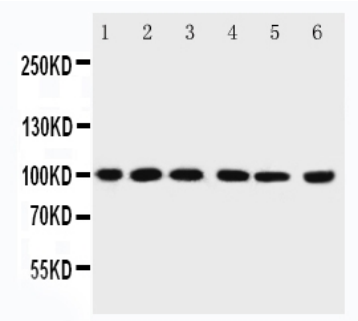

at 40ug Lane 6: SKOV Whole Cell Lysate at 40ug Predicted bind size: 72KD Observed bind size: 100KD

1 Publications Citing This Product

1. PubMed ID: 29212953, Scortegagna M1, Berthon A2, Settas N2, Giannakou A2, Garcia G1, Li JL1, James B1, Liddington RC1, Vilches-Moure JG3, Stratakis CA2, Ronai ZA1,4. JCI Insight. 2017 Dec 7;2(23). pii: 97128. doi: 10.1172/jci.insight.97128. [Epub ahead of print] The E...

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