

## Anti-E3 SUMO-protein ligase PIAS1 PIAS1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PA2252-Fluoro647

### 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.

### Overview

Product Name	Anti-E3 SUMO-protein ligase PIAS1 PIAS1 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O75925

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human PIAS1, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

## 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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