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PIAS1 (C) Antibody, Mouse Monoclonal

Cat#: M0015-1b

Quantity: 100 µl

Predicted M.W.: 72 kDa

Isotype: mouse IgG1

Lot#: Refer to vial

Application: WB

Uniprot ID: O88907

Clone: 4D11

Background:

PIAS1 is a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional modulators. PIAS1 functions as an E3 small ubiquitin-like modifier (SUMO) ligase. It stabilizes the interaction between UBE2I and the substrate, and functions as a SUMO-tethering factor. PIAS1 plays an important role in the transcriptional regulation of numerous cellular pathways, including STAT, NF-κB, p53 and the steroid hormone signaling pathways. Recent studies revealed that PIAS1 is an important regulator for innate immunity, inflammatory cytokine signaling and regulatory T cell differentiation.

Other Names:

Protein inhibitor of activated STAT1, Pias1, DEAD/H box-binding protein 1, Ddxbp1

Source and Purity:

Mouse monoclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of mouse PIAS1. Antibodies were purified by Caprylic Acid-Ammonium Sulfate precipitation.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 40% Glycerol, 0.02% Thimerosal. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Mouse

Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

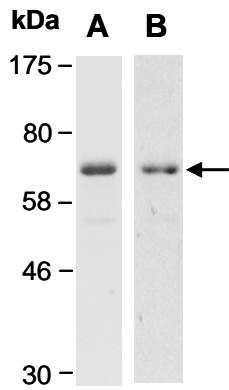


Fig 1. Western blot of total cell extracts from mouse thymus, using Abs (A: M0015-1b; B: M0015-1c) at RT for 2 h.