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## PIAS1 (C) Antibody, Mouse Monoclonal

**Cat#:** M0015-1c

**Quantity:** 100 µl

**Predicted M.W.:** 72 kDa

**Isotype:** mouse IgG1

**Lot#:** Refer to vial

**Application:** WB

**Uniprot ID:** O88907

**Clone:** 2D7

### **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:**

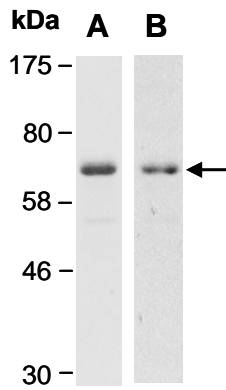
Mouse

### **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.