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PIASx (C) Antibody, Mouse Monoclonal

Cat#: M0005-1

Quantity: 100 µl

Predicted M.W.: 68 kDa

Isotype: Mouse IgG2b

Lot#: Refer to vial

Application: WB

Uniprot ID: O75928

Clone: 3G7

Background:

PIASx is a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional modulators. PIASx 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. PIASx plays an important role in transcriptional regulation of numerous cellular pathways, including the STAT pathway and the p53 pathway.

Other Names:

MGC102682, MIZ1, PIASX, PIAS2, PIASX-BETA, SIZ2, ZMIZ4, miz

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human PIASx α . 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:

Human, 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:

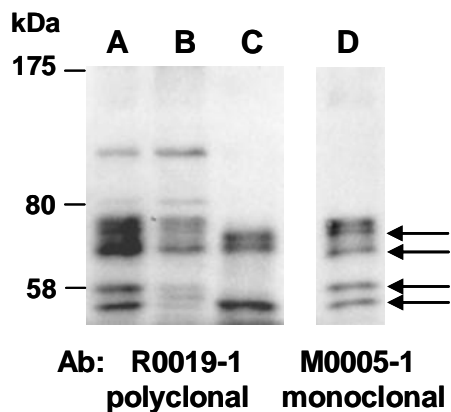


Fig 1. Western blot of total cell extracts from (A) human Jurkat with control siRNA, (B) human Jurkat with PIASx siRNA, (C) mouse testis, (D) human Jurkat, using Abs (R0019-1 for A-C; or M0005-1 for D) at RT for 2 h.