



#24108

Catalog Number: 24108-1, 24108-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : O75925

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized peptide derived from Human PIAS1

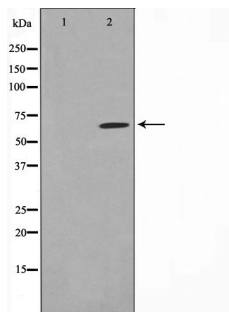
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: PIAS1 antibody detects endogenous levels of total PIAS1 protein

Reactivity: Human, Mouse

Applications:

Predicted MW: 72kd WB:1:500~1:2000 IHC:1:50-200



Western blot analysis on MDA-MB-435 cell lysate using PIAS1 Antibody

Background : PIAS1 Functions as an E3-type small ubiquitin-like modifier (SUMO) ligase, stabilizing the interaction between UBE2I and the substrate, and as a SUMO-tethering factor. Plays a crucial role as a transcriptional coregulation in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. In vitro, binds A/T-rich DNA. The effects of this transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context. Together with PRMT1, may repress STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling. Interacts with NCOA2 and AR. Interacts with NR2C1; the interaction promotes its sumoylation. Interacts with DDX21, CSR2, AXIN1, JUN, UBE2I, SUMO1, SATB2, PLAG1, TP53 and STAT1 (dimer), following IFN α 1-stimulation. Interacts with SP3 (preferentially when SUMO-modified).