
PIAS4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254280

Unit: 0.1 mg

Description:

The PIAS (protein inhibitor of activated STAT) proteins play a crucial role as transcriptional coregulators in various cellular pathways, including the STAT, p53 and the steroid hormone signaling pathway. The PIAS protein family includes at least five evolutionarily conserved genes, including PIAS4. The major function of the PIAS proteins is the control of gene transcription and can also act as small ubiquitin-like-modifier (SUMO) E3 ligases. PIAS4 interacts with p53 and blocks its ability to induce Bax and p21 transcription. PIAS4 is also important in the control of the ubiquitin-dependent proteasomal degradation of the Ets-1 transcription factor. PIAS4 has been implicated in the DNA-damage response pathway and is thought to work in combination with PIAS1 for the productive association of 53BP1, BRCA1 and RNF168.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: PIAS4; Protein inhibitor of activated STAT protein 4; PIASY; piaseg; ZMIZ6

Accession No.: NP_056981

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human PIAS4.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.