

Product Information

Size:

100ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:3000,
IHC:1:50-1:100

Protein Background:

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/TP53 pathway, the Wnt pathway and the steroid hormone signaling pathway. Involved in gene silencing. Mediates sumoylation of CEBPA, PARK7, HERC2, MYB, TCF4 and RNF168. In Wnt signaling, represses LEF1 and enhances TCF4 transcriptional activities through promoting their sumoylations.

Gene ID:

PIAS4

Uniprot

Q8N2W9

Synonyms:

PIAS-gamma; PIASG; PIASy; protein inhibitor of activated STAT protein 4; protein inhibitor of activated STAT protein PIASy

Immunogen:

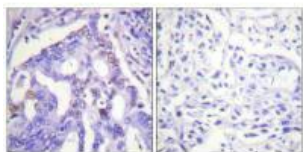
Synthesized peptide derived from Internal of human PIAS4.

Storage:

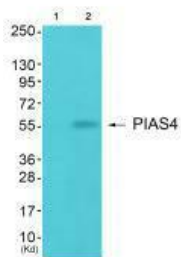
Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using PIAS4 antibody.



Western blot analysis of extracts from JK cells (Lane 2), using PIAS4 antibody. The lane on the left is treated with synthesized peptide.



Western blot analysis of extracts from Jurkat cells, using PIAS4 antibody.

