

## PIAS3 Antibody

Catalog No: #33517

Package Size: #33517-1 50ul #33517-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

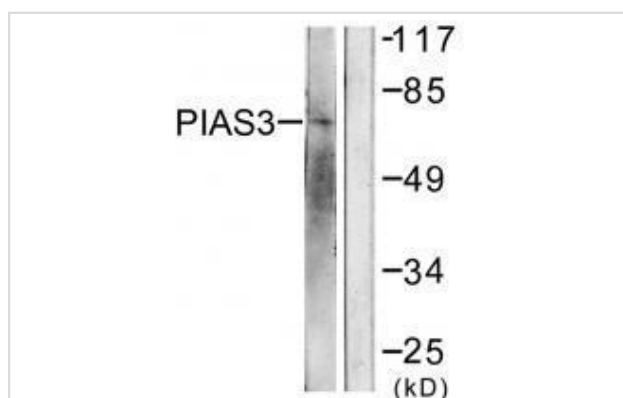
Product Name	PIAS3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total PIAS3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human PIAS3.
Target Name	PIAS3
Other Names	PROTEIN INHIBITOR OF ACTIVATED STAT3; protein inhibitor of activated STAT 3;
Accession No.	Swiss-Prot: Q9Y6X2NCBI Gene ID: 10401
Uniprot	Q9Y6X2
GeneID	10401;
SDS-PAGE MW	68kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:500~1:3000

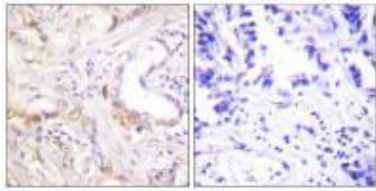
Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from 293 cells, treated with UV (5mins), using PIAS3 antibody #33517.

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using PIAS3 antibody #33517.



## 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 and the steroid hormone signaling pathway. Involved in regulating STAT3 signaling via inhibiting STAT3 DNA-binding and suppressing cell growth.

Jiang-Hong Man, Nucleic Acids Res., Nov 2006; 34: 5552 - 5566.

Amir Sonnenblick, Mol. Cell. Biol., Dec 2004; 24: 10584 - 10592.

Jianyin Long, PNAS, Jan 2004; 101: 99.

Hyun Duk Jang, J. Biol. Chem., Jun 2004; 279: 24873 - 24880.

Note: This product is for in vitro research use only