

# PIAS 3 rabbit pAb

Cat No.:ES3204

For research use only

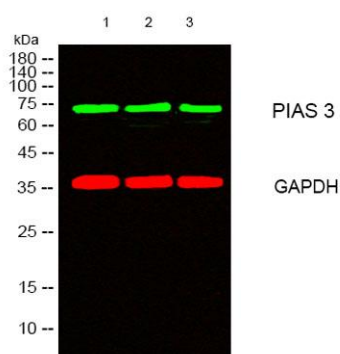
## Overview

Product Name	PIAS 3 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PIAS3. AA range:10-59
Specificity	PIAS 3 Polyclonal Antibody detects endogenous levels of PIAS 3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	E3 SUMO-protein ligase PIAS3
Gene Name	PIAS3
Cellular localization	Cytoplasm . Nucleus . Nucleus speckle . Colocalizes with MITF in the nucleus. Colocalizes with GF11 in nuclear dots. Colocalizes with SUMO1 in nuclear granules. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	68kD
Human Gene ID	10401
Human Swiss-Prot Number	Q9Y6X2
Alternative Names	PIAS3; E3 SUMO-protein ligase PIAS3; Protein inhibitor of activated STAT protein 3
Background	This gene encodes a member of the PIAS [protein inhibitor of activated STAT (signal transducer and activator of transcription)] family of transcriptional

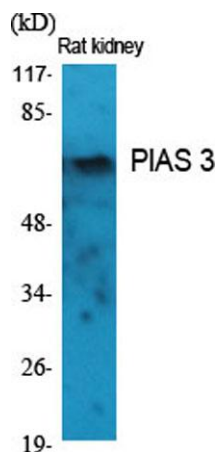




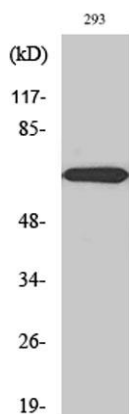
modulators. The protein functions as a SUMO (small ubiquitin-like modifier)-E3 ligase which catalyzes the covalent attachment of a SUMO protein to specific target substrates. It directly binds to several transcription factors and either blocks or enhances their activity. Alternatively spliced transcript variants of this gene have been identified, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008],



Western blot analysis of lysates from 1) 293, 2) Rat kidney, 3) HELA cells, (Green) primary antibody was diluted at 1:1000, 4° overnight, secondary antibody (cat:RS23920) was diluted at 1:10000, 37° 1 hour. (Red) GAPDH Monoclonal Antibody (2B8) (cat:YM3029) a



Western Blot analysis of various cells using PIAS 3 Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



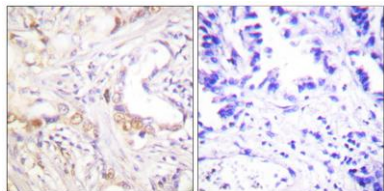
Western Blot analysis of 293 cells using PIAS 3 Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).





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Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using PIAS3 Antibody. The picture on the right is blocked with the synthesized peptide.



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