

Product datasheet for **AP22538PU-N**

PIAS2 (431-445) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	ELISA: 1/8000. Immunohistochemistry on Paraffin Sections: 3.75 µg/ml.
Reactivity:	Canine, Human, Mouse, Rat, Bat, Equine, Rabbit
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from an internal region of human PIAS2
Specificity:	This antibody detects PIAS2 (Internal).
Formulation:	Tris saline buffer, pH 7.3, 0.5% BSA, 0.02% sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein inhibitor of activated STAT 2
Database Link:	Entrez Gene 17344 Mouse Entrez Gene 83422 Rat Entrez Gene 9063 Human O75928
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 coregulator in various cellular pathways, including the STAT pathway, the p53 pathway and the steroid hormone signaling pathway. The effects of this transcriptional coregulation, transactivation or silencing may vary depending upon the biological context and the PIAS2 isoform studied.
Synonyms:	PIASX, ARIP3, DAB2-interacting protein, DIP, Miz1, PIAS-NY protein

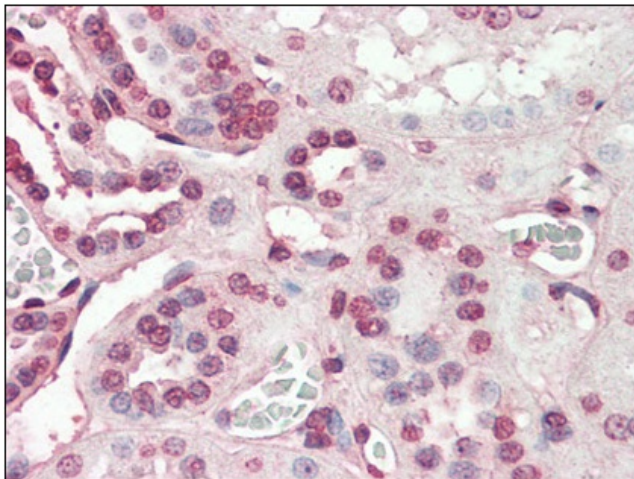


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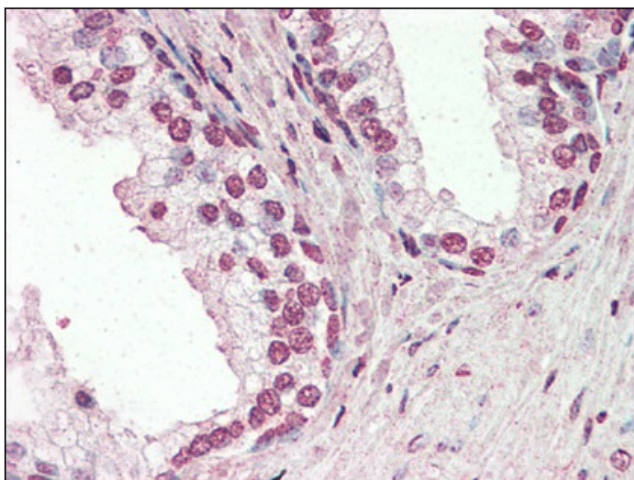
Protein Families: Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

Protein Pathways: Jak-STAT signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

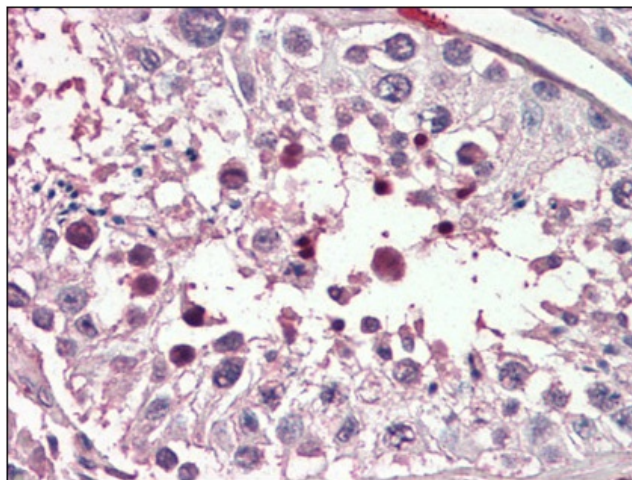
Product images:



Human Kidney (formalin-fixed, paraffin-embedded) stained with PIAS2 antibody at 3.75 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Prostate (formalin-fixed, paraffin-embedded) stained with PIAS2 antibody at 3.75 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Testis (formalin-fixed, paraffin-embedded) stained with PIAS2 antibody at 3.75 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.