

产品名称: PIAS 1 Rabbit Polyclonal Antibody
产品货号: APRab16119



产品概述 (Summary)

产品名称 (Production Name)	PIAS 1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PIAS1 PIAS1; DDXBP1; E3 SUMO-protein ligase PIAS1; DEAD/H box-binding protein
别名 (Alternative Names)	1; Gu-binding protein; GBP; Protein inhibitor of activated STAT protein 1; RNA helicase II-binding protein
基因 ID (Gene ID)	8554.0
蛋白 ID (SwissProt ID)	O75925.The antiserum was produced against synthesized peptide derived from human PIAS1. AA range:10-59

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	72kDa

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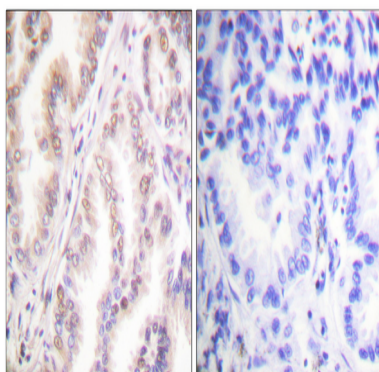
研究背景 (Background)

This gene encodes a member of the protein inhibitor of activated STAT (PIAS) family. PIAS proteins function as SUMO E3 ligases and play important roles in many cellular processes by mediating the sumoylation of target proteins. This protein plays a central role as a transcriptional coregulator of numerous cellular pathways including the STAT1 and nuclear factor kappaB pathways. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016],domain:The LXXLL motif is a transcriptional coregulator signature.,domain:The SP-RING-type domain is required for promoting EKLF sumoylation.,function: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 pathway and the steroid hormone signaling pathway. The effects of this transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context.,pathway:Protein modification; protein sumoylation.,PTM:Sumoylated.,similarity:Belongs to the PIAS family.,similarity:Contains 1 SAP domain.,similarity:Contains 1 SP-RING-type zinc finger.,subcellular location:Interaction with CSRP2 may induce a partial redistribution along the cytoskeleton.,subunit:Binds SUMO1 and UBE2I. Interacts with AR, CSRP2, JUN, MDM2, NCOA2, TP53, RNA helicase II and STAT1 dimers, following IFN-alpha-stimulation. Interacts with SP3, preferentially when SUMO-modified. Binds preferentially AT-rich DNA sequences, known as matrix or scaffold attachment regions (MARs/SARs) (By similarity). Interacts with PLAG1. Interacts with KLF8; the interaction results in SUMO ligation and repression of KLF8 transcriptional activity and of its cell cycle progression into G(1) phase.,tissue specificity:Expressed in numerous tissues with highest level in testis.,

研究领域 (Research Area)

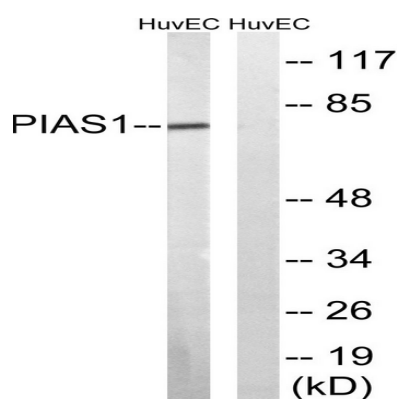
Ubiquitin mediated proteolysis;Jak_STAT;Pathways in cancer;Small cell lung cancer;

图片 (Image Data)

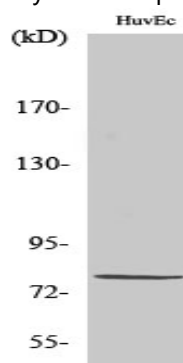


Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using PIAS1 Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from HUVEC cells, using PIAS1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using PIAS 1 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

注意事项 (Note)

For research use only .