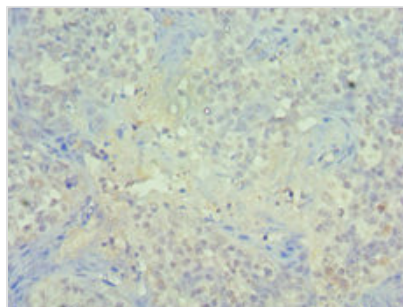


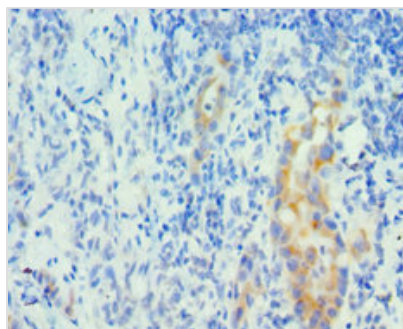


PIAS1 Antibody

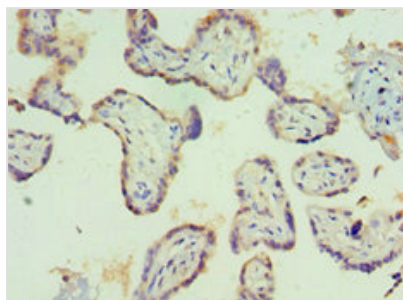
Product Code	CSB-PA017957ESR1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O75925
Immunogen	Recombinant Human E3 SUMO-protein ligase PIAS1 protein (422-651AA)
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:20-1:200
Relevance	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. In vitro, binds A/T-rich DNA. The effects of this transcriptional coregulation, transactivation or silencing, may vary depending upon the biological context. Together with PRMT1, may repress STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling. Sumoylates PML (at 'Lys-65' and 'Lys-160') and PML-RAR and promotes their ubiquitin-mediated degradation. PIAS1-mediated sumoylation of PML promotes its interaction with CSNK2A1/CK2 which in turn promotes PML phosphorylation and degradation (By similarity). Enhances the sumoylation of MTA1 and may participate in its paralog-selective sumoylation.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	E3 SUMO-protein ligase PIAS1 (EC 2.3.2.-) (DEAD/H box-binding protein 1) (E3 SUMO-protein transferase PIAS1) (Gu-binding protein) (GBP) (Protein inhibitor of activated STAT protein 1) (RNA helicase II-binding protein), PIAS1, DDXBP1
Species	Human
Research Area	Epigenetics and Nuclear Signaling
Target Names	PIAS1
Image	



Immunohistochemistry of paraffin-embedded human tonsil tissue using CSB-PA017957ESR1HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human lung cancer using CSB-PA017957ESR1HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human placenta tissue using CSB-PA017957ESR1HU at dilution of 1:100