Recombinant Human PIAS2 293 Cell Lysate

Cat. No. PIAS2-3204HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein inhibitor of activated STAT, 2 (PIAS2), transcript variant alpha is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PIAS2 protein inhibitor of activated STAT, 2 [Homo sapiens]
Official Symbol	PIAS2
Synonyms	PIAS2; protein inhibitor of activated STAT, 2; E3 SUMO-protein ligase PIAS2; miz; PIASX ALPHA; PIASX BETA; zinc finger; MIZ type containing 4; ZMIZ4; DAB2-interacting protein; zinc finger, MIZ-type containing 4; msx-interacting zinc finger protein; protein inhibitor of activated STAT X; androgen receptor-interacting protein 3; DIP; MIZ; MIZ1; SIZ2; ARIP3; PIASX; PIASX-BETA; PIASX-ALPHA; MGC102682;
Gene ID	9063
mRNA Refseq	NM_173206
Protein Refseq	NP_775298
MIM	603567
UniProt ID	O75928
Chromosome Location	18q12.1-q12.3
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; IL12 signaling

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	mediated by STAT4, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Pathways in cancer, organism-specific biosystem;
Function	DNA binding; SUMO ligase activity; androgen receptor binding; ligase activity; metal ion binding; protein binding; transcription coactivator activity; ubiquitin protein ligase binding; zinc ion binding;

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