

30-1248: Anti-STAT1 (Phospho-Ser727) Monoclonal Antibody (Clone:PSM1)

Clonality :	Monoclonal
Clone Name :	PSM1
Application :	IP
Reactivity :	Human
Gene :	STAT1
Gene ID :	6772
Uniprot ID :	P42224
Format :	Purified
Alternative Name :	STAT1
Isotype :	Mouse IgG1
Immunogen Information :	STAT1 peptide sequence 721-733 (Ser727 phosphorylated).

Description

STAT1 (signal transducer and activator of transcription 1) is a transcription factor that plays important roles in growth arrest, apoptosis promoting and tumour suppression. After ligation of cytokine receptors STAT1 becomes phosphorylated on Tyr701 by Janus kinase JAK1 or JAK2, dimerizes, translocates to nucleus and contacts DNA. STAT1-STAT2 heterodimers serve as more potent transcriptional inducers than STAT1 homodimers. STAT1 is also phosphorylated on Ser727 by MAPK pathway, independently of tyrosine phosphorylation. However, the both modifications are important for its maximal transcriptional activity. On the other hand, STAT1 phosphorylated on Ser727 is targeted for proteasomal degradation.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

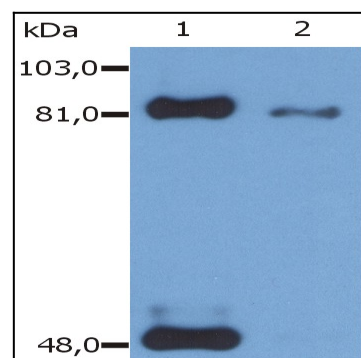


Figure 1: Western Blotting analysis (reducing conditions) of phosphorylated STAT1 (Ser727) in IFN-gamma treated HeLa human cervix carcinoma cell line using anti-Phospho STAT1 (PSM1). Lane 1: immunoprecipitated material by anti-STAT1 (SM2); Lane 2: original whole cell lysate