OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SM3126P

STAT1 pSer727 Mouse Monoclonal Antibody [Clone ID: PSM1]

Product data:

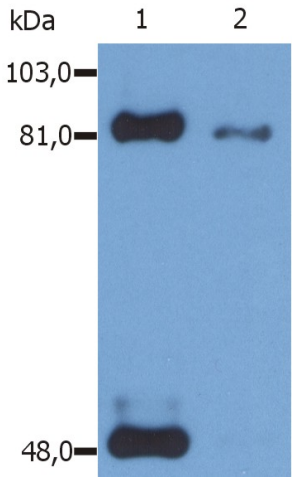
Product Type:	Primary Antibodies
Clone Name:	PSM1
Applications:	IP, WB
Recommended Dilution:	**Immunoprecipitation.** **Western Blot.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	STAT 1 peptide sequence 721-733 (Ser727 phosphorylated).
Specificity:	The antibody PSM1 recognizes STAT1 (91 kDa) activated by phosphorylation at Ser727.
Formulation:	PBS, pH~7.4 State: Purified State: Liquid purified IgG fraction (> 95% by SDS-PAGE) Preservative: 15 mM Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. **DO NOT FREEZE!**
Stability:	Shelf life: one year from despatch.
Gene Name:	signal transducer and activator of transcription 1
Database Link:	Entrez Gene 6772 Human P42224

View online »

Background: 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.

Synonyms: DKFZp686B04100; ISGF-3; OTTHUMP00000205845; STAT91

Product images:



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