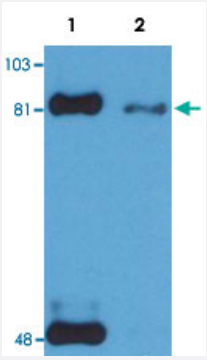
STAT1 (phospho S727) monoclonal antibody, clone PSM1

Catalog # MAB3641 Size 100 ug

Applications



Immunoprecipitation

Western Blotting analysis (reducing conditions) of phosphorylated STAT1 (Ser727) in IFN-gamma treated HeLa (human cervix carcinoma cell line) using STAT1 (phospho S727) monoclonal antibody, clone PSM1 (Cat # MAB3641).
Lane 1 : Immunoprecipitated material by STAT1 monoclonal antibody, clone SM2.
Lane 2 : original whole cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic phosphopeptide of STAT1.
Immunogen	Synthetic phosphopeptide corresponding to amino acids 721-733 residues surrounding S727 of ST AT1.
Host	Mouse
Theoretical MW (kDa)	91
Reactivity	Human
Specificity	This antibody recognizes transcriptional factor STAT1 (91 KDa) activated byphosphorylation at Ser7 27.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)

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Storage Instruction	Store at 4°C. Do not freeze. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunoprecipitation

Western Blotting analysis (reducing conditions) of phosphorylated STAT1 (Ser727) in IFN-gamma treated HeLa (human cervix carcinoma cell line) using STAT1 (phospho S727) monoclonal antibody, clone PSM1 (Cat # MAB3641).
Lane 1 : Immunoprecipitated material by STAT1 monoclonal antibody, clone SM2.
Lane 2 : original whole cell lysate.

Publication Reference

- ERK and the F-box protein betaTRCP target STAT1 for degradation.

Soond SM, Townsend PA, Barry SP, Knight RA, Latchman DS, Stephanou A.

The Journal of Biological Chemistry 2008 Jun; 283(23):16077.

Application: WB, Mouse, MEF cells

- Malignant melanoma associates with deficient IFN-induced STAT 1 phosphorylation.

Kovarik J, Boudny V, Kocak I, Lauerova L, Fait V, Vagundova M.

International Journal of Molecular Medicine 2003 Sep; 12(3):335.

Application: WB-Ce, Human, Malignant melanoma cells

- Interferon inducibility of STAT 1 activation and its prognostic significance in melanoma patients.

Boudný V, Kocák I, Lauerová L, Kovarík J.

Folia Biol (Praha) 2003 Jan; 49(4):142.

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