

Product Datasheet

STAT1 Antibody (SM1) - BSA Free NB500-514

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB500-514

STAT1 Antibody (SM1) - BSA Free

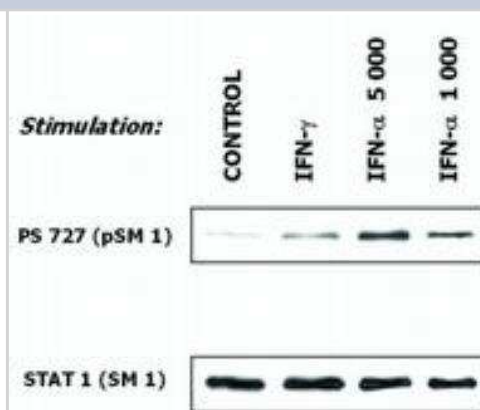
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	SM1
Preservative	0.9% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	91 kDa

Product Description	
Host	Mouse
Gene ID	6772
Gene Symbol	STAT1
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	The antibody SM1 recognizes an epitope included within amino acids 721-733 of STAT1, a 91 kDa transcriptional factor involved in a variety of systems including antiviral responses and interferon alpha (IFN-alpha) and gamma (IFN-gamma) signal transduction.
Immunogen	STAT1 peptide sequence 721-733 (DNLLPMSPEEFDE).

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	Immunohistochemistry (paraffin sections) positive tissue: lung macrophages.

Images

Immunoprecipitation: STAT1 Antibody (SM1) [NB500-514] - Fig. 1: Induction of phosphorylation of STAT1 at Ser727 in human malignant melanoma cells (short-term culture derived from a patient) in response to interferons. Subconfluent cells were serum-starved before exposure to activation dosages of IFN-gamma (10 ng/ml) and IFN-alpha (1000 IU/ml and 5000 IU/ml). Western blotting analysis of cell extracts shows detection of phosphorylated STAT1 (Ser727) by the antibody PSM1 (upper panel) and total STAT1 level by the antibody SM1 (lower panel).



Publications

Boudny V, Kocak I, Laueroval L, Kovarik J. Interferon inducibility of STAT 1 activation and its prognostic significance in melanoma patients. *Folia Biol (Praha)*;49(4):142-6. 2003-01-01 [PMID: 12971583]

Kovarik J, Boudny V, Kocak I et al. Malignant melanoma associates with deficient IFN-induced STAT 1 phosphorylation. *Int J Mol Med*;12(3):335-40. 2003-09-01 [PMID: 12883649]





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB500-514

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NB100-56314PEP	STAT1 Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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