

Product Datasheet

STAT3 Antibody NB100-799

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 19

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NB100-799

STAT3 Antibody

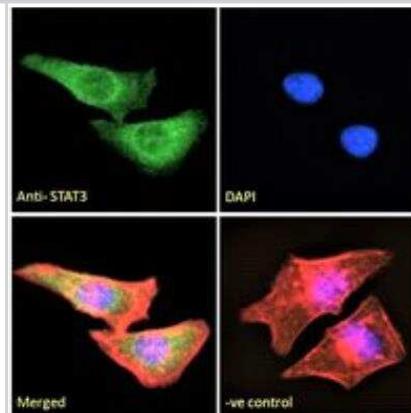
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat STAT3 Antibody (NB100-799) is a polyclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. Anti-STAT3 Antibody: Cited in 19 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	6774
Gene Symbol	STAT3
Species	Human, Mouse
Specificity/Sensitivity	This antibody is expected to recognise isoforms 1 and 2 (as represented by NP_644805.1 and NP_003141.2 respectively)
Immunogen	Peptide with sequence DMELTSECATSPM corresponding to C-Terminus according to NP_644805.1.

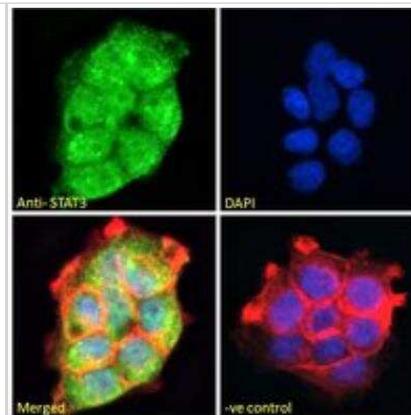
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/mL, Immunohistochemistry 4 - 6 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 4 - 6 ug/mL, Peptide ELISA Detection limit 1:8000
Application Notes	IHC: In paraffin embedded Mouse Thymus shows preferential staining of medulla over cortex. IF: Customers have reported positive results on human HEK 293 cells, and rat glial processes and nuclei.

Images

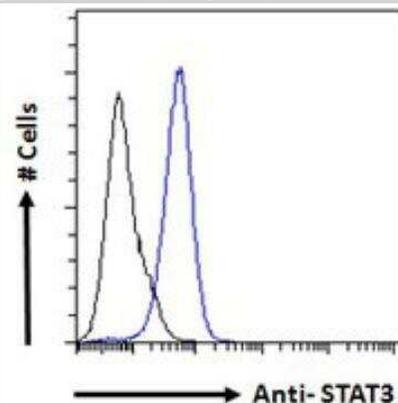
Immunocytochemistry/Immunofluorescence: STAT3 Antibody [NB100-799] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing cytoplasmic and weak nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunohistochemistry-Paraffin: STAT3 Antibody [NB100-799] - Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear and cytoplasmic staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



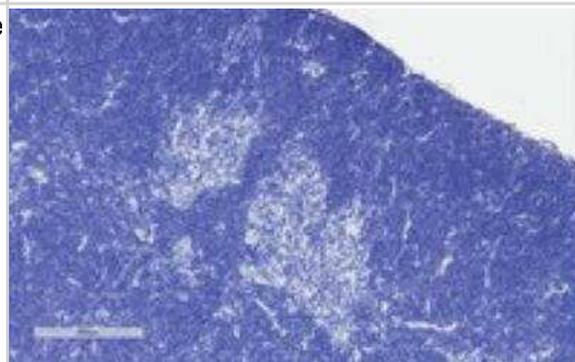
Flow Cytometry: STAT3 Antibody [NB100-799] - Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunohistochemistry-Paraffin: STAT3 Antibody [NB100-799] - Staining of Mouse Thymus. Antibody at 4 ug/mL. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: STAT3 Antibody [NB100-799] - Negative Control showing staining of Mouse Thymus, with no primary antibody.



Publications

Russo I, Carrizzo A, Bochicchio S et al. siRNA Delivery for Control of Cyclin D1 and E2F1 Expression in Crohn's Disease. *Transl Med UniSa* 2017-07-01 [PMID: 30050877]

Oaks AW, Frankfurt M, Finkelstein DI, Sidhu A. Age-Dependent Effects of A53T Alpha-Synuclein on Behavior and Dopaminergic Function *PLoS One* 2013-01-01 [PMID: 23560093]

Velarde MC, Flynn JM, Day NU et al. Mitochondrial oxidative stress caused by Sod2 deficiency promotes cellular senescence and aging phenotypes in the skin. *Aging*. 2012-01-20 [PMID: 22278880]

Nikitaki Z, Nikolov V, Mavragani IV et al. Measurement of complex DNA damage induction and repair in human cellular systems after exposure to ionizing radiations of varying linear energy transfer (LET). *Free Radic Res* 2016-11-01 [PMID: 27593437]

Itoh M, Suganami T, Kato H et al. CD11c+ resident macrophages drive hepatocyte death-triggered liver fibrosis in a murine model of nonalcoholic steatohepatitis. *JCI Insight*. 2017-11-16 [PMID: 29202448]

Wang BY, Liao ML, Hong GC et al. Near-Infrared-Triggered Photodynamic Therapy toward Breast Cancer Cells Using Dendrimer-Functionalized Upconversion Nanoparticles *Nanomaterials (Basel)* 2017-09-11 [PMID: 28892021]

McIntosh AL, Storey SM, Atshaves BP. Intracellular lipid droplets contain dynamic pools of sphingomyelin: ADRP binds phospholipids with high affinity. *Lipids* 2010-06-01 [PMID: 20473576]

Son YO, Pratheeshkumar P, Divya SP et al. Nuclear factor erythroid 2-related factor 2 enhances carcinogenesis by suppressing apoptosis and promoting autophagy in nickel-transformed cells. *J. Biol. Chem.* 2017-03-22 [PMID: 28330870]

Jia R, Pan Q, Ding S et al. The N-terminal region of IFITM3 modulates its antiviral activity through regulating IFITM3 cellular localization. *J Virol* 2012-10-10 [PMID: 23055554]

Guez-Barber D, Fanous S, Harvey BK et al. FACS purification of immunolabeled cell types from adult rat brain. *J Neurosci Methods*. 2011-09-03 [PMID: 21911005]

Yoshioka N, Tanaka M, Ochi K et al. The sodium-glucose cotransporter-2 inhibitor Tofogliflozin prevents the progression of nonalcoholic steatohepatitis-associated liver tumors in a novel murine model *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie* 2021-05-21 [PMID: 34029949]

Fonseca BD, Diering GH, Bidinosti MA, Dalal K, Alain T, Balgi AD, Forestieri R, Nodwell M, Rajadurai CV, Gunaratnam C, Tee AR, Duong F, Andersen RJ, Orlowski J, Numata M, Sonenberg N, Roberge M. Structure-Activity Analysis of Niclosamide Reveals Potential Role for Cytoplasmic pH in Control of Mammalian Target of Rapamycin Complex 1 (mTORC1) Signaling. *J Biol Chem*;287(21):17530-45. 2012-05-18 [PMID: 22474287]

More publications at <http://www.novusbio.com/NB100-799>





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Products Related to NB100-799

NBL1-16525	STAT3 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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