

Product Datasheet

Fyn Antibody (FYN-01) - BSA Free NB500-517

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB500-517

Fyn Antibody (FYN-01) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	FYN-01
Preservative	15mM Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Target Molecular Weight	59 kDa

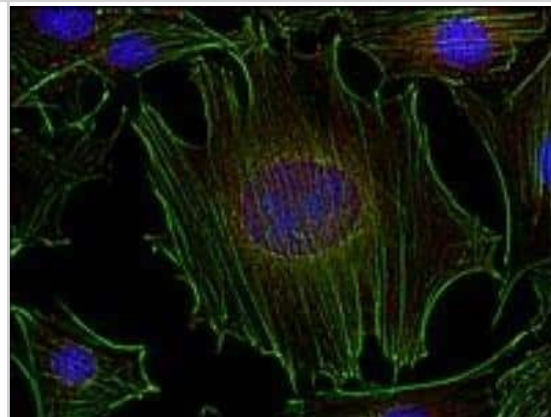
Product Description	
Description	Novus Biologicals Mouse Fyn Antibody (FYN-01) - BSA Free (NB500-517) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Fyn Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2534
Gene Symbol	FYN
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	The reacts with p59fyn (Fyn), a non receptor protein tyrosine kinase (59 kDa), which belongs to the Src family of cytoplasmic tyrosine kinases.
Immunogen	Bacterial expressed recombinant fragment, corresponding to amino acids 7-176 of Human Fyn.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	Immunoprecipitation - Preparation of cell lysate: 30 min on ice (orbital incubator) in lysing buffer; lysing buffer with N-dodecyl beta-D-maltoside (20 mM Tris/Cl, 100 mM NaCl pH 8,2, 1% laurylmaltosid (w/v), 50 mM NaF) Application note: The antibody FYN-01 apparently gives very specific signal (by 59 kDa), and nicely immunoprecipitates Fyn from cell lysates.



Images

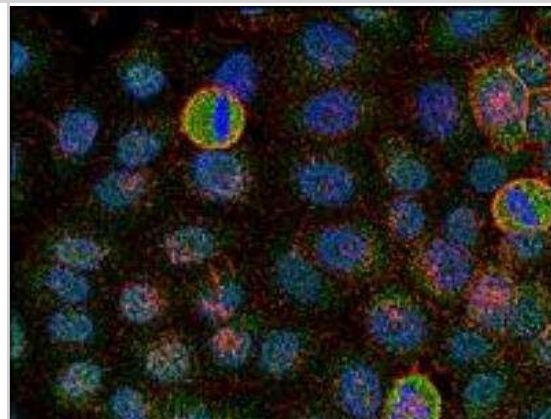
Immunocytochemistry/Immunofluorescence: Fyn Antibody (FYN-01) [NB500-517] - Staining of Fyn in murine transformed fibroblasts using anti-Fyn (FYN-01; red). Actin cytoskeleton was decorated by phalloidin (green) and cell nuclei stained with DAPI (blue).



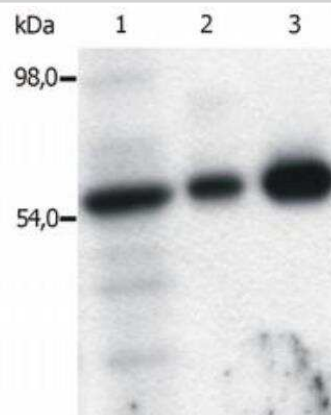
Immunocytochemistry/Immunofluorescence: Fyn Antibody (FYN-01) [NB500-517] - Staining of Fyn in human primary fibroblasts using anti-Fyn (FYN-01; green). Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).



Immunocytochemistry/Immunofluorescence: Fyn Antibody (FYN-01) [NB500-517] - Staining of Fyn in human HeLa cell line using anti-Fyn (FYN-01; green). Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).



Immunoprecipitation: Fyn Antibody (FYN-01) [NB500-517] - Immunoprecipitation of Fyn from the lysate of T cells isolated from fresh buffy coats. Western blot was immunostained with anti-Fyn (FYN-01). Lane 1: original lysate of T cells Lane 2-3: Immunoprecipitated material eluted from affinity sorbent (FYN-01 coupled to Sepharose beads). Lanes differ in amount of T cell lysate loaded on the immunosorbent.



Publications

She Z, Dong H, Li Y et al. MiRNA29a-3p Negatively Regulates ISL1-Integrin β 1 Axis to Suppress Gastric Cancer Progression. *Experimental cell research* 2024-10-26 [PMID: 39490753]

Tousley AM, Rotiroti MC, Labanieh L et al. Co-opting signalling molecules enables logic-gated control of CAR T cells *Nature* 2023-03-01 [PMID: 36890224]

Grossman H, Har-Paz E, Gindi N et al. Regulation of GVBD in mouse oocytes by miR-125a-3p and Fyn kinase through modulation of actin filaments. *Sci Rep* 2017-05-22 [PMID: 28533542] (WB)

Hu H, Takano N, Xiang L et al. Hypoxia-inducible factors enhance glutamate signaling in cancer cells. *Oncotarget* 2014-10-15 [PMID: 25326682] (WB, Human)

Taniguchi K, Xia L, Goldberg HJ et al. Inhibition of Src Kinase Blocks High Glucose-Induced EGFR Transactivation and Collagen Synthesis in Mesangial Cells and Prevents Diabetic Nephropathy in Mice. *Diabetes*. 2013-08-13 [PMID: 23942551]

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] (ICC/IF, WB, Human)





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 NB500-517

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

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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