

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

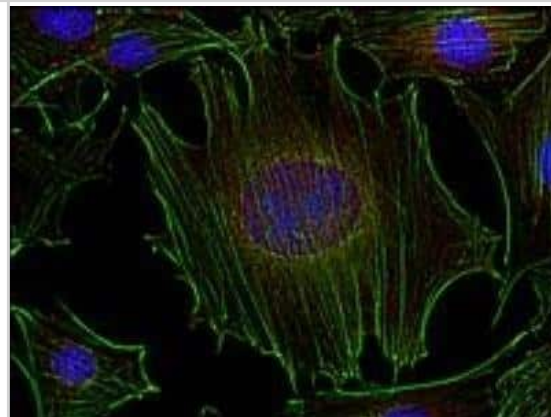
Fyn Antibody (FYN-01) - BSA Free

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	0.9% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	59 kDa
Product Description	
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, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, 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.

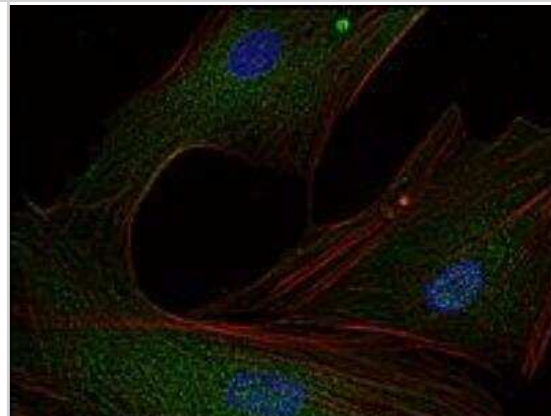


Images

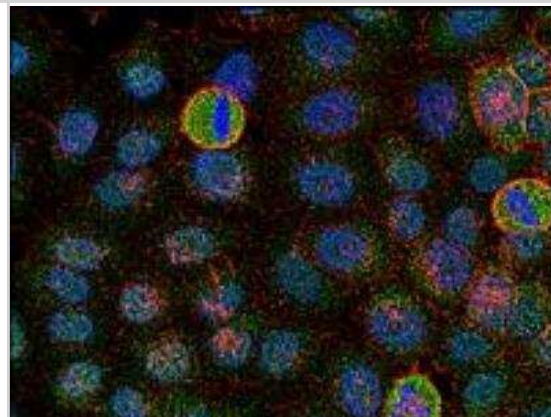
Immunocytochemistry/Immunofluorescence: Fyn Antibody (FYN-01) [NB500-517] - Staining of Fyn in murine transformed fibroblasts using anti-Fyn (FYN-01; red). Actin cytoskeleton was decorated by phalloidin (green) and cell nuclei stained with DAPI (blue).



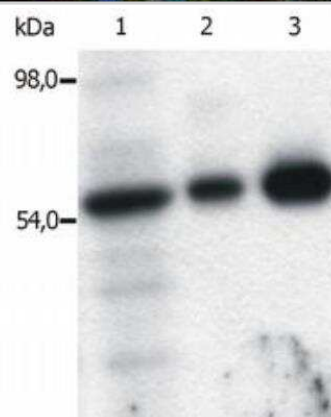
Immunocytochemistry/Immunofluorescence: Fyn Antibody (FYN-01) [NB500-517] - Staining of Fyn in human primary fibroblasts using anti-Fyn (FYN-01; green). Actin cytoskeleton was decorated by phalloidin (red) and cell nuclei stained with DAPI (blue).



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)





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Products Related to NB500-517

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)
NB500-517UV	Fyn Antibody (FYN-01) [DyLight 350]

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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