

Anti-FYN Purified Monoclonal Antibody

Catalog Number: M00684-1

About FYN

Fyn is a ubiquitously expressed Src-family protein tyrosine kinase with important roles e.g. in immune and nervous system. It regulates N-methyl-D-aspartate (NMDA) receptor functions, thus affecting various brain functions, and even many of its other substrates are important for neural migration, synaptic plasticity, oligodendrocyte differentiation, and axon growth and guidance. In immune system Fyn namely regulates the commitment of T cells to activation, is important in T cell anergy induction, promotes mast cell chemotaxis and reorganization of cytoskeleton and participates in mast cell activation. Fyn is also involved in embryonic stem cell growth and differentiation, associates with tubulin and may play roles in mitotic spindle formation.

Overview

Product Name	Anti-FYN Purified Monoclonal Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-FYN Purified Monoclonal Antibody (Catalog# M00684-1). Tested in IP, WB, IHC-P, ICC application(s). This antibody reacts with Human, Mouse.
Application	IP, IHC-P, ICC, WB
Clonality	Monoclonal FYN-01
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P06241

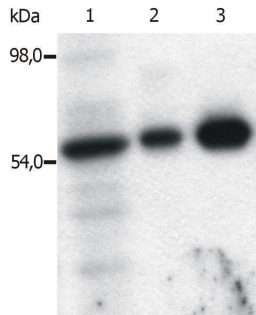
Technical Details

Immunogen	Bacterially expressed recombinant fragment of human Fyn (aa 7-176). The mouse monoclonal antibody FYN-01 recognizes Fyn, a 59 kDa non-receptor Src-family protein tyrosine kinase (intracellular antigen).
Predicted Reactive Species	Primate
Isotype	Mouse IgG2b
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

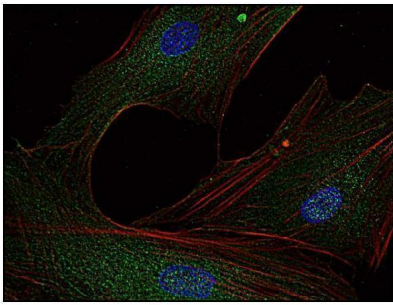
Suggested Dilutions

Immunohistochemistry (paraffin sections): 5 ug/ml; positive tissue: brain.
Western blotting: 2 ug/ml; positive control: JURKAT human T cell leukemia cell line.
Immunoprecipitation: positive control: J77 T cell line. 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). The antibody FYN-01 apparently gives very specific signal (by 59 kDa), and nicely immunoprecipitates Fyn from cell lysates.

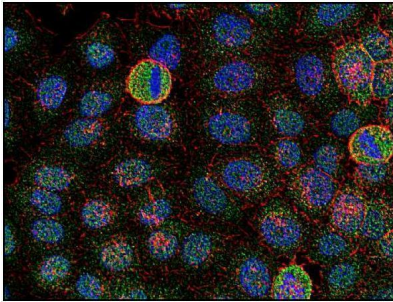
Anti-FYN Purified Monoclonal Antibody (M00684-1) Images



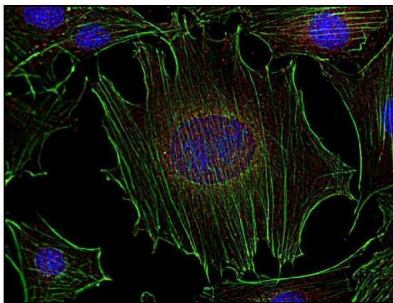
Immunoprecipitation of Fyn from the lysate of T cells isolated from fresh buffy coats. Western blot was immunostained with anti-Fyn (FYN-01). Lane 1: original lysate of T cells Lane 2-3: Immunoprecipitated material eluted from affinity sorbent (FYN-01 coupled to Sepharose beads). Lanes differ in amount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



Immunocytochemistry analysis 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). Primary antibody: 5 ug/ml



Immunocytochemistry analysis 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).



Immunocytochemistry analysis 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).

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-FYN Purified Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.