

Fyn (N-terminal region)

Cat. # FM2381

Host Mouse Monoclonal IgG2b

Size 100 µl

Background:

The Src family of tyrosine kinases include nine members in vertebrates, including c-Src, Yes, Fgr, Yrk, Fyn, Lyn, Hck, Lck, and Blk. Src-family kinases transduce signals that are involved in the control of a variety of cellular processes, including proliferation, differentiation, motility, and adhesion. Fyn is a 59 kDa member of the Src family of tyrosine kinases that contains a conserved carboxy terminus and unique N-terminal region. Fyn is N-myristoylated and targeted to the plasma membrane, where it is palmitoylated. Phosphorylation regulates the activity of Fyn at conserved residues, Tyr-420 and Tyr-531. Fyn clusters in caveolae-like membrane microdomains and can interact with a variety of other signaling molecules. Fyn activity is important during T cell receptor signaling, neuronal synaptic transmission, and adhesion-mediated signaling.

References

- Thomas, S.M. & Brugge, J.S. (1997) *Annu Rev Cell Dev Biol* 13:513.
Hunter, T. (1987) *Cell* 49:1.
Resh, M.D. (1998) *Int J Biochem Cell Biol* 30:1159.

Immunogen:

This antibody was generated from a recombinant human Fyn protein that included amino acids in the N-terminal region. This sequence is highly conserved in rat and mouse Fyn.

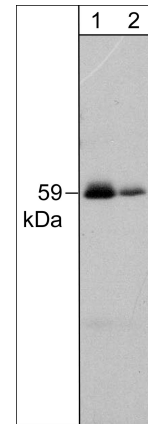
Applications:

WB 1:250
ELISA 1:1000

End user should determine optimal dilution for their particular applications and experiments. Western blot membranes were incubated with diluted antibody in 5% non-fat milk, PBS, 0.04% Tween20 for 1 hour at room temperature.

Related Products:

SP1371 c-Src (Tyr-215), phospho-specific [Conserved site] Rabbit Polyclonal
AM2091 c-Abl (C-terminal Region) Mouse Monoclonal
AP1251 c-Abl (Tyr-245), phospho-specific Rabbit Polyclonal
AP1271 c-Abl (Tyr-412), phospho-specific Rabbit Polyclonal
BL7011 Mouse Brain Lysate



Western blot analysis of adult mouse brain tissue lysate. The blot was probed with mouse monoclonal anti-Fyn (N-terminal region) at 1:125 (lane 1) and 1:500 (lane 2).

Buffer and Storage:

Mouse monoclonal antibody purified with protein A chromatography is supplied in 100µl phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide. Store at -20°C. Do not aliquot. Stable for 1 year.

Specificity:

The antibody detects a 59 kDa* band corresponding to Fyn on SDS-PAGE immunoblots of adult mouse brain tissue.

*All molecular weights (MW) are confirmed by comparison to Bio-Rad Rainbow Markers and to western blot mobilities of known proteins with similar MW.

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