

# Fyn Monoclonal Antibody (2H8)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	2H8
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human FYN expressed in E. Coli.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.03% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11153410

Applications	Tested Dilution	Publications
Western Blot (WB)	1/500 - 1/2000	-

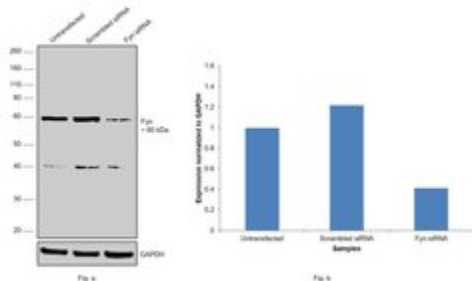
## Product Specific Information

MA5-15866 targets FYN in WB applications and shows reactivity with Human and mouse samples.

The MA5-15866 immunogen is purified recombinant fragment of human FYN expressed in E. Coli.

MA5-15866 detects FYN which has a predicted molecular weight of approximately 61kDa.

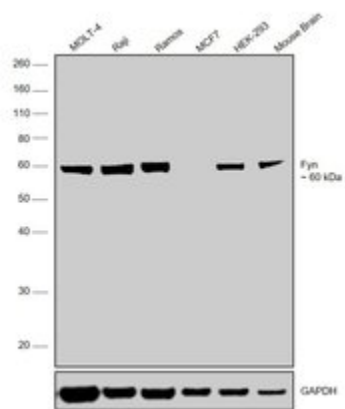
## Advanced Verification Data



### Fyn Antibody (MA5-15866)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HEK-293 cells were transfected with Fyn siRNA and decrease in signal intensity was observed in western blot application using Anti-Fyn Monoclonal Antibody (2H8) (Product # MA5-15866). Knockdown validation info.

## Product Images For Fyn Monoclonal Antibody (2H8)

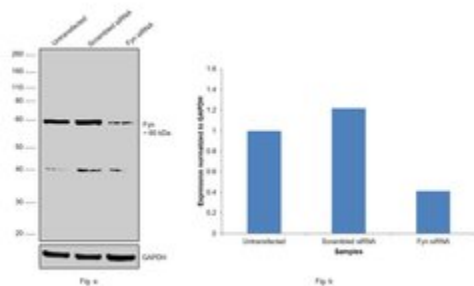


### Fyn Antibody (MA5-15866) in WB

Western blot was performed using Fyn Monoclonal Antibody (2H8) (Product # MA5-15866) and a 60 kDa band corresponding to Fyn was observed across cell lines and tissue extracts. Whole cell extracts (30 µg lysate) of MOLT-4 (Lane 1), Raji (Lane 2), Ramos (Lane 3), MCF7 (Lane 4), HEK-293 (Lane 5) and tissue extracts (30ug lysate) of Mouse Brain (Lane 6) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

### Fyn Antibody (MA5-15866) in WB

Knockdown of Fyn was achieved by transfecting HEK-293 with Fyn specific siRNA (Silencer® select Product # s5435). Western blot analysis (Fig. a) was performed using whole cell extracts from Fyn knockdown cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blot was probed Fyn Monoclonal Antibody (2H8) (Product # MA5-15866, 1:1000 dilution) and Goat anti-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to Fyn.



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