

Fyn Monoclonal Antibody (1S)

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	1S
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to aa 1-206 of murine p59fyn protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10977380

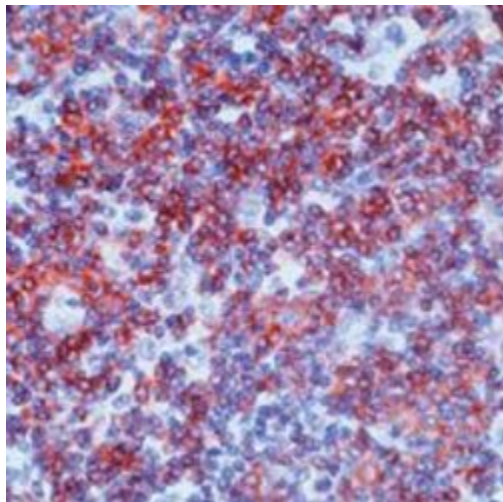
Applications	Tested Dilution	Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50	-
Immunoprecipitation (IP)	3 µg/mg protein lysate	1 Publication
Western Blot (WB)	Assay Dependent	2 Publications
Immunohistochemistry (IHC)	-	1 Publication

Product Specific Information

MA5-13134 targets Fyn in IHC (P) and IP/WB applications and shows reactivity with Human, mouse, and rat samples.

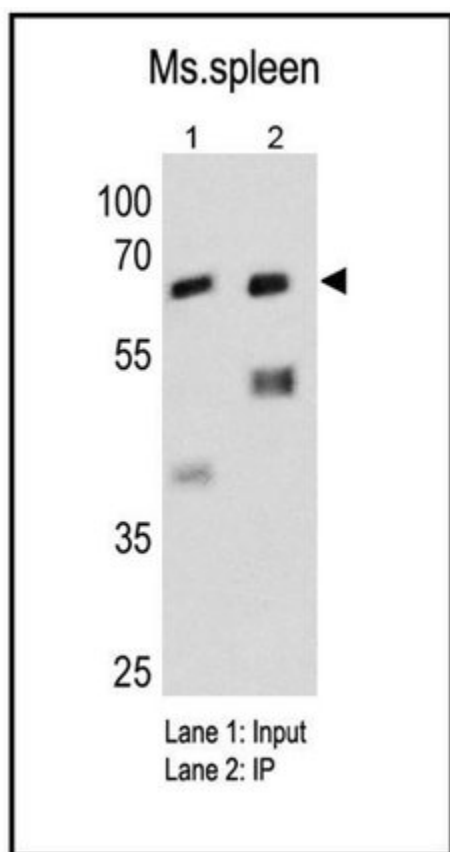
The MA5-13134 immunogen is recombinant protein corresponding to aa 1-206 of mouse p59fyn protein.

Product Images For Fyn Monoclonal Antibody (1S)



Fyn Antibody (MA5-13134) in IHC

Formalin-fixed, paraffin-embedded human lymphoma stained with Fyn antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of tumor cells.



Fyn Antibody (MA5-13134) in IP

Immunoprecipitation and Western blot of Fyn was performed using mouse spleen cell lysates. Cells were lysed using ice cold IP lysis/wash buffer and pre-cleared using 50 ml of bead slurry per ml of cell lysate. Antigen-antibody complexes were formed by incubating 0.5 ml pre-cleared cell lysate on ice for 3hrs with 8-15ug of Fyn monoclonal antibody (Product # MA5-13134) crosslinked to Protein A/G plus agarose. The immune complexes were eluted using 60 ul sample buffer boiled at 95° C for 5 min and loaded onto an SDS-PAGE gel; Input (lane 1) and Jurkat IP (Lane 2). The membrane was probed with a Fyn monoclonal antibody (Product # MA5-13134) at a dilution of 3ug/mg of lysate followed by detection using an HRP-conjugated goat anti-mouse IgG + IgM (H+L) cross-adsorbed secondary antibody. Chemiluminescent detection was performed using an exposure time of 10m, resulting in a ~60kDa band on input and IP lysates.

4 References

Immunohistochemistry (1)

Cancer research

In vitro modeling of human pancreatic duct epithelial cell transformation defines gene expression changes induced by K-ras oncogenic activation in pancreatic carcinogenesis.

"MA5-13134 was used in immunohistochemistry to investigate the role of K-ras oncogenic activation in pancreatic carcinogenesis"

Authors: Qian J,Niu J,Li M,Chiao PJ,Tsao MS

Species
Human

Dilution
Not Cited

Year
2005

Western Blot (2)

Brain research

Possible mechanisms underlying the protective effects of SY-21, an extract of a traditional Chinese herb, on transient brain ischemia /reperfusion-induced neuronal death in rat hippocampus.

"MA5-13134 was used in western blot to study the mechanism underlying the protective effects on transient brain ischemia/reperfusion-induced neuronal death of a traditional Chinese herb"

Authors: Chen M,Wang Y,Liu Y,Hou XY,Zhang QG,Meng FJ,Zhang GY

Species
Rat

Dilution
Not Cited

Year
2003

Neuroscience letters

Tyrosine kinase and tyrosine phosphatase participate in regulation of interactions of NMDA receptor subunit 2A with Src and Fyn mediated by PSD-95 after transient brain ischemia.

"MA5-13134 was used in western blot to study the role of tyrosine kinase and tyrosine phosphatase on the PSD-95-mediated interaction of the NMDA receptor subunit 2A following transient brain ischemia"

Authors: Chen M,Hou X,Zhang G

Species
Rat

Dilution
Not Cited

Year
2003

Immunoprecipitation (1)

Brain research

Increased tyrosine phosphorylation of alpha(1C) subunits of L-type voltage-gated calcium channels and interactions among Src/Fyn, PSD-95 and alpha(1C) in rat hippocampus after transient brain ischemia.

"MA5-13134 was used in immunoprecipitation to study phosphorylation of alpha(1C) subunits of L-type voltage-gated calcium channels in rat hippocampus after transient brain ischemia"

Authors: Hou XY,Zhang GY,Yan JZ,Liu Y

Species
Rat

Dilution
Not Cited

Year
2003

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