Mouse anti-Human, Mouse Fyn Monoclonal Antibody | anti-FYN antibody

Fyn Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290528	**Mouse**	**Human, Mouse**	**Immunocytochemistry, Western Blot**

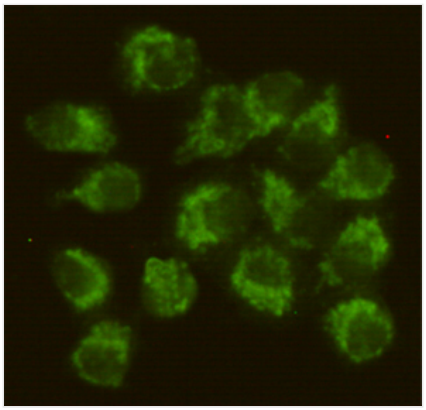
PRODUCT SYNONYMS

Fyn; Monoclonal Antibody; Fyn Antibody; Purified Mouse Monoclonal Antibody (Mab); C syn protooncogene; FYN oncogene related to SRC FGR YES; FYN_HUMAN; MGC45350; OKT3 induced calcium influx regulator; P59 FYN; p59-Fyn; Protein tyrosine kinase fyn; Proto oncogene tyrosine protein kinase fyn; Proto-oncogene c-Fyn; Proto-oncogene Syn; Protooncogene Syn; SLK; Src like kinase; Src yes related novel gene; Src-like kinase; Src/yes related novel; Src/yes related novel gene; SYN; Tyrosine kinase p59fyn T; Tyrosine kinase p59fyn(T); Tyrosine-protein kinase Fyn.; anti-FYN antibody

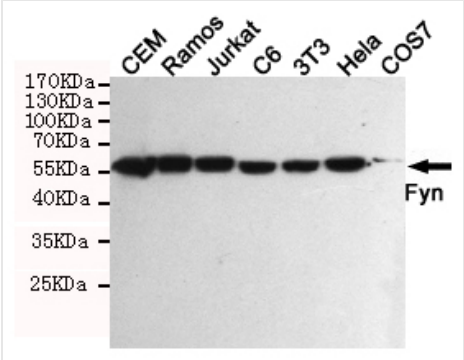
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2b
Form/Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.
Sequence Length	537
Applicable Applications for anti-FYN antibody	ICC (Immunocytochemistry), WB (Western Blot)
Cellular Location	Cytoplasm. Nucleus. Cell membrane. Note=Present and active in lipid rafts. Palmitoylation is crucial for proper trafficking.
Tissue Location	Isoform 1 is highly expressed in the brain. Isoform 2 is expressed in cells of hemopoietic lineages, especially T-lymphocytes.
Preparation and Storage	Store at -20 °C. Stable for 12 months from date of receipt.

IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry staining of HeLa cells fixed with -20 degree C Methanol and using Fyn mouse mAb (dilution 1:50).



WB (Western Blot)
Western blot detection of Fyn in Hela,3T3,C6,COS7,CEM,Ramos and Jurkat cell lysates using Fyn mouse mAb (1:500 diluted).Predicted band size:59KDa.Observed band size:59KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FYN antibody	Non-receptor tyrosine-protein kinase that plays a role in many biological processes including regulation of cell growth and survival, cell adhesion, integrin-mediated signaling, cytoskeletal remodeling, cell motility, immune response and axon guidance. Inactive FYN is phosphorylated on its C-terminal tail within the catalytic domain. Following activation by PKA, the protein subsequently associates with PTK2/FAK1, allowing PTK2/FAK1 phosphorylation, activation and targeting to focal adhesions. Involved in the regulation of cell adhesion and motility through phosphorylation of CTNNB1 (beta- catenin) and CTNND1 (delta-catenin). Regulates cytoskeletal remodeling by phosphorylating several proteins including the actin regulator WAS and the microtubule-associated proteins MAP2 and MAPT. Promotes cell survival by phosphorylating AGAP2/PIKE-A and preventing its apoptotic cleavage. Participates in signal transduction pathways that regulate the integrity of the glomerular slit diaphragm (an essential part of the glomerular filter of the kidney) by phosphorylating several slit diaphragm components including NPHS1, KIRREL1 and TRPC6. Plays a role in neural processes by phosphorylating DPYSL2, a multifunctional adapter protein within the central nervous system, ARHGAP32, a regulator for Rho family GTPases implicated in various neural functions, and SNCA, a small pre-synaptic protein. Participates in the downstream signaling pathways that lead to T-cell differentiation and proliferation following T-cell receptor (TCR) stimulation. Phosphorylates PTK2B/PYK2 in response to T-cell receptor activation. Also participates in negative feedback regulation of TCR signaling through phosphorylation of PAG1, thereby promoting interaction between PAG1 and CSK and recruitment of CSK to lipid rafts. CSK maintains LCK and FYN in an inactive form. Promotes CD28-induced phosphorylation of VAV1. In mast cells, phosphorylates CLNK after activation of immunoglobulin epsilon receptor signaling (By similarity).
Product Categories/Family for anti-FYN antibody	Cancer; Neuroscience; Signal transduction
References	Kawakami T.,et al.Mol. Cell. Biol. 6:4195-4201(1986). Semba K.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:5459-5463(1986). Rigley K.,et al.J. Immunol. 154:1136-1145(1995). Goshima N.,et al.Nat. Methods 5:1011-1017(2008). Mungall A.J.,et al.Nature 425:805-811(2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503823
NCBI GeneID	2534
NCBI Accession #	NP_002028.1
NCBI GenBank Nucleotide #	NM_002037.5
UniProt Accession #	P06241; Q16248; Q5R3A6; Q5R3A7; Q8N5D7; B5BU57; E1P557; H0UI48
Molecular Weight	59 KDa
NCBI Official Full Name	tyrosine-protein kinase Fyn isoform a
NCBI Official Synonym Full Names	FYN proto-oncogene, Src family tyrosine kinase
NCBI Official Symbol	FYN
NCBI Official Synonym Symbols	SLK; SYN; p59-FYN
NCBI Protein Information	tyrosine-protein kinase Fyn
UniProt Protein Name	Tyrosine-protein kinase Fyn
UniProt Gene Name	**FYN**
UniProt Synonym Gene Names	SLK
UniProt Entry Name	FYN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/fyn-antibody-immunocytochemistry-western-blot-elisa/290528