



Fyn mouse mAb

Catalog No	YP-Ab-14222
Isotype	IgG
Reactivity	Human;Monkey;Rat;Mouse
Applications	WB;ICC
Gene Name	fyn
Immunogen	Purified recombinant human Fyn protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Fyn and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:500 icc 1:50
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	1G4B1;EC:2.7.10.2;p59 Fyn;p59-Fyn;Proto oncogene c Fyn;Fyn;C syn protooncogene;FYN oncogene related to SRC FGR YES;FYN_HUMAN;MGC45350;OKT3 induced calcium influx regulator;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.
Observed Band	59kD
Calculated Molecular Weight	59kD
Cell Pathway	Cytoplasm. Nucleus. Cell membrane. Present and active in lipid rafts. Palmitoylation is crucial for proper trafficking.
Tissue Specificity	Isoform 1 is highly expressed in the brain. Isoform 2 is expressed in cells of hemopoietic lineages, especially T-lymphocytes.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,cofactor:Manganese.,enzyme regulation:Inhibited by phosphorylation of Tyr-531 by leukocyte common antigen and activated by dephosphorylation of this site.,function:Implicated in the control of cell growth. Plays a role in the regulation of intracellular calcium levels, with isoform 2



showing the greater ability to mobilize cytoplasmic calcium in comparison to isoform 1. Required in brain development and mature brain function with important roles in the regulation of axon growth, axon guidance, and neurite extension. Blocks axon outgrowth and attraction induced by NTN1 by phosphorylating its receptor DDC.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.,similarity:Contains 1

Background

This gene is a member of the protein-tyrosine kinase oncogene family. It encodes a membrane-associated tyrosine kinase that has been implicated in the control of cell growth. The protein associates with the p85 subunit of phosphatidylinositol 3-kinase and interacts with the fyn-binding protein. Alternatively spliced transcript variants encoding distinct isoforms exist. [provided by RefSeq, Jul 2008],

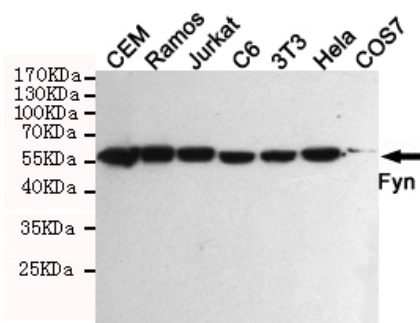
matters needing attention

Avoid repeated freezing and thawing!

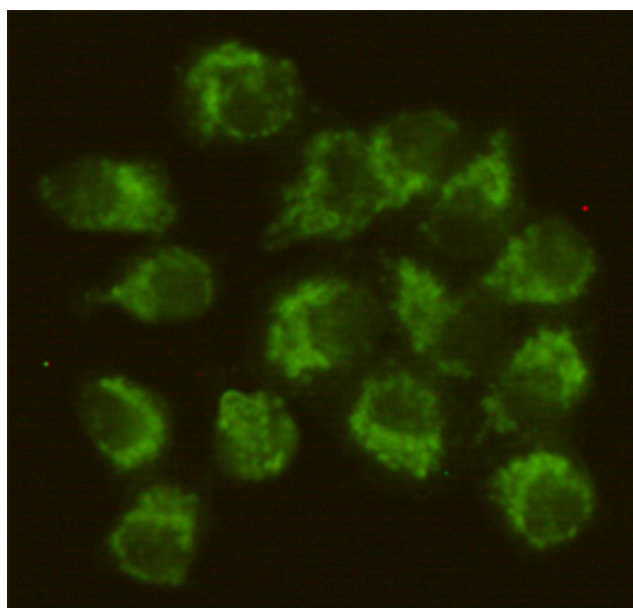
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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.



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