

Product Name: Fyn Rabbit Polyclonal Antibody
Catalog #: APRab11206



Summary

Production Name	Fyn Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	FYN
Alternative Names	FYN; Tyrosine-protein kinase Fyn; Proto-oncogene Syn; Proto-oncogene c-Fyn; Src-like kinase; SLK; p59-Fyn
Gene ID	2534.0
SwissProt ID	P06241.The antiserum was produced against synthesized peptide derived from human Fyn. AA range:488-537

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:5000.
Molecular Weight	60kD

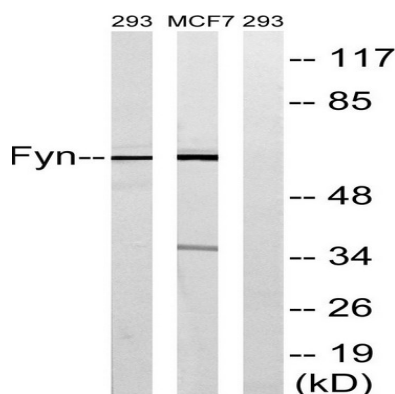
Background

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],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 protein kinase domain,similarity:Contains 1 SH2 domain,similarity:Contains 1 SH3 domain,subcellular location:Present and active in lipid rafts. Present in cell body and along the process of mature and developing oligodendrocytes,subunit:Associates through its SH3 domain, to the p85 subunit of phosphatidylinositol 3-kinase. Interacts with the FYN-binding protein (FYB). Interacts with phosphorylated TOM1L1. Interacts with CD79A upon activation of the B-cell antigen receptor which increases FYN activity (By similarity). Interacts with PAG1. Interacts (via SH3 domain) with PRMT8. Interacts with SH2D1A and SLAMF1. Interacts (via SH3 domain) with HEV ORF3 protein,tissue specificity:Isoform 1 is highly expressed in the brain, isoform 2 is expressed in cells of hemopoietic lineages, especially T lymphocytes,

Research Area

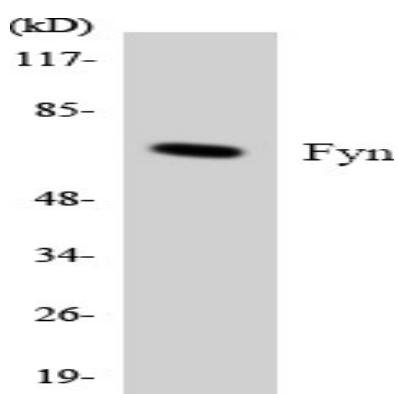
Axon guidance;Focal adhesion;Adherens_Junction;Natural killer cell mediated cytotoxicity;T_Cell_Receptor;Fc epsilon RI;Prion diseases;Pathogenic Escherichia coli infection;Viral myocarditis;

Image Data

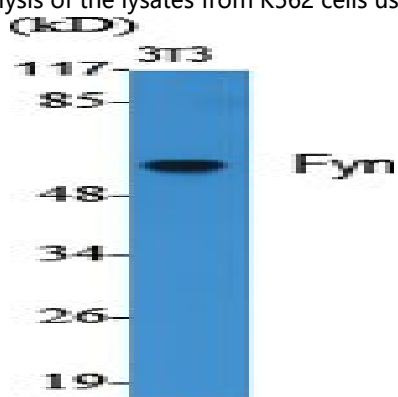


Western blot analysis of lysates from MCF-7 and 293 cells, using Fyn Antibody. The lane on the right is blocked with the synthesized peptide.

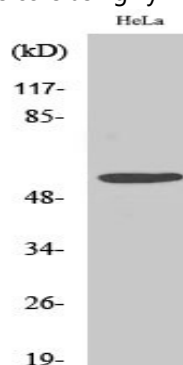
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Western blot analysis of the lysates from K562 cells using Fyn antibody.



Western Blot analysis of various cells using Fyn Polyclonal Antibody diluted at 1 : 2000



Western Blot analysis of COLO205 cells using Fyn Polyclonal Antibody diluted at 1 : 2000

Note

For research use only.