

产品名称: Fyn (phospho Tyr530) Rabbit Polyclonal Antibody
产品货号: APRab04712



产品概述 (Summary)

产品名称 (Production Name)	Fyn (phospho Tyr530) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	FYN
别名 (Alternative Names)	FYN; Tyrosine-protein kinase Fyn; Proto-oncogene Syn; Proto-oncogene c-Fyn; Src-like kinase; SLK; p59-Fyn
基因 ID (Gene ID)	2534.0
蛋白 ID (SwissProt ID)	P06241.The antiserum was produced against synthesized peptide derived from human Fyn around the phosphorylation site of Tyr530. AA range:488-537

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	60kDa

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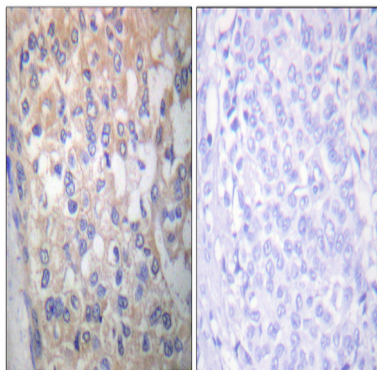
研究背景 (Background)

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,

研究领域 (Research Area)

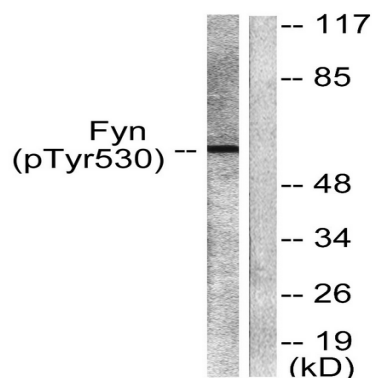
Axon guidance; Focal adhesion; Adherens_Junction; Natural killer cell mediated cytotoxicity; T_Cell_Receptor; Fc epsilon RI; Prion diseases; Pathogenic Escherichia coli infection; Viral myocarditis;

图片 (Image Data)

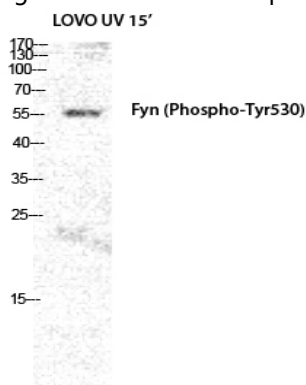


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Fyn (Phospho-Tyr530) Antibody.
The picture on the right is blocked with the phospho peptide.

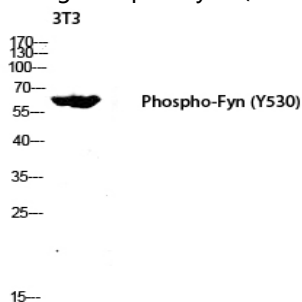
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Western blot analysis of lysates from 293 cells treated with H₂O₂ 100uM 15', using Fyn (Phospho-Tyr530) Antibody. The lane on the right is blocked with the phospho peptide.



Western Blot analysis of LOVO+UV cells using Phospho-Fyn (Y530) Polyclonal Antibody diluted at 1:2000



Western blot analysis of 3T3 lysis using Phospho-Fyn (Y530) antibody. Antibody was diluted at 1:2000

注意事项 (Note)

For research use only .