



Fyn (phospho Tyr530) Polyclonal Antibody

Catalog No	YP-Ab-14442
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	FYN
Immunogen	The antiserum was produced against synthesized peptide derived from human Fyn around the phosphorylation site of Tyr530. AA range:488-537
Specificity	Phospho-Fyn (Y530) Polyclonal Antibody detects endogenous levels of Fyn protein only when phosphorylated at Y530.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Proto-oncogene c-Fyn;Proto oncogene Syn;Proto oncogene c Fyn;p59-Fyn;p59 Fyn;Fyn;Tyrosine-protein kinase Fyn;Proto-oncogene Syn;Src-like kinase;SLK
Observed Band	60kD
Calculated Molecular Weight	60kD
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!

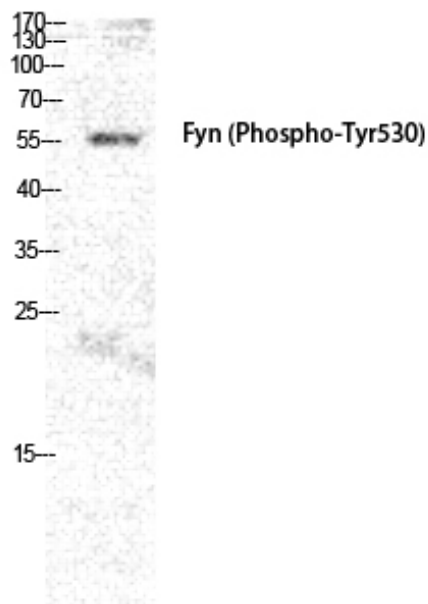
Usage suggestions

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



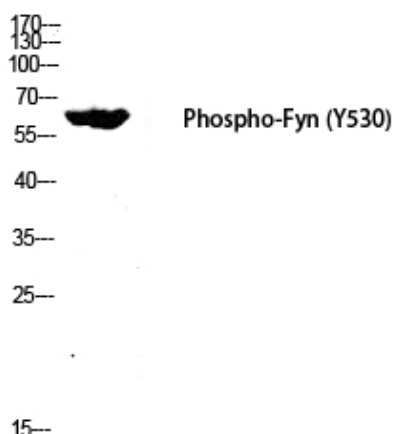
Products Images

LOVO UV 15'

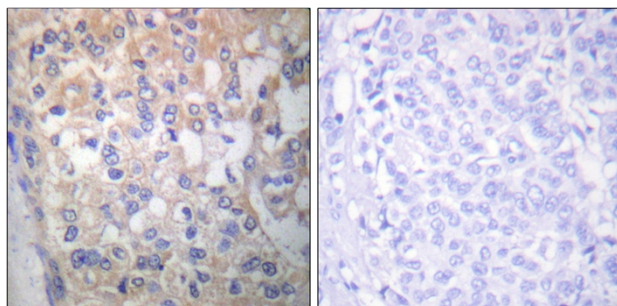


Western Blot analysis of LOVO+UV cells using Phospho-Fyn (Y530) Polyclonal Antibody diluted at 1:2000

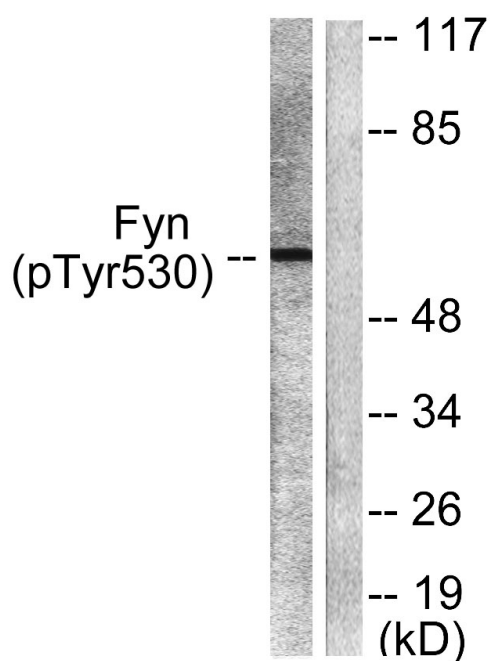
3T3



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



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



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.