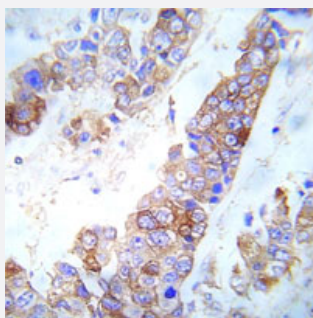


FYN (phospho Y530) polyclonal antibody

Catalog # PAB16971 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FYN (phospho Tyr530) polyclonal antibody (Cat # PAB16971).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of FYN.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y530 of human FYN.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of FYN only when phosphorylated at tyrosine 530.
Form	Liquid
Recommend Usage	Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM PBS, 0.15 M NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using FYN (phospho Tyr530) polyclonal antibody (Cat # PAB16971).

Gene Info — FYN

Entrez GeneID	2534
Protein Accession#	P06241
Gene Name	FYN
Gene Alias	MGC45350, SLK, SYN
Gene Description	FYN oncogene related to SRC, FGR, YES
Omim ID	137025
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	OKT3-induced calcium influx regulator OTTHUMP00000017914 OTTHUMP00000017915 OTTHUMP00000017917 c-syn protooncogene protein-tyrosine kinase fyn proto-oncogene tyrosine-protein kinase fyn src-like kinase src/yes-related novel tyrosine kinase p59fyn(T)

Publication Reference

- [Signaling networks assembled by oncogenic EGFR and c-Met.](#)

Guo A, Villen J, Kornhauser J, Lee KA, Stokes MP, Rikova K, Possemato A, Nardone J, Innocenti G, Wetzel R, Wang Y, MacNeill J, Mitchell J, Gygi SP, Rush J, Polakiewicz RD, Comb MJ.

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- [Global survey of phosphotyrosine signaling identifies oncogenic kinases in lung cancer.](#)

Rikova K, Guo A, Zeng Q, Possemato A, Yu J, Haack H, Nardone J, Lee K, Reeves C, Li Y, Hu Y, Tan Z, Stokes M, Sullivan L, Mitchell J, Wetzel R, Macneill J, Ren JM, Yuan J, Bakalarski CE, Villen J, Kornhauser JM, Smith B, Li D, Zhou X, Gygi SP, Gu TL, Polakiewicz RD, Rush J, Comb MJ.

Cell 2007 Dec; 131(6):1190.

- [Fyn is required for oxidative- and hyperosmotic-stress-induced tyrosine phosphorylation of caveolin-1.](#)

Sanguinetti AR, Cao H, Corley Mastick C.

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Pathway

- [Adherens junction](#)
- [Axon guidance](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Prion diseases](#)
- [T cell receptor signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Asthma](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)

- [Cleft Palate](#)
- [Diabetes Mellitus](#)
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