

Datasheet for ABIN2746630

FYN Protein

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Overview

Quantity:	5 applications
Target:	FYN
Origin:	Human, Mouse, Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB), Positive Control (PC)

Product Details

Purpose:	Purified Protein in ready-to-use SDS sample buffer.
Purification:	Purified Protein

Target Details

Target:	FYN
Alternative Name:	FYN (FYN Products)
Background:	<p>Protein tyrosine kinases are large multigene families which are important mediators of the signaling transduction pathways, responsible for intracellular signal transduction. Tyrosine kinases are a diverse group of cell surface transmembrane proteins that act as receptors for cytokines, growth factors, hormones and other signaling molecules. Receptor tyrosine kinases are expressed in many cell types and play important roles in a wide variety of cellular processes, including growth, differentiation, angiogenesis, metabolism and apoptosis in response to external and internal stimuli. Over-expression and/or structural alteration of tyrosine kinase family members are associated to human cancers. Tumor cells use RTK</p>

Target Details

transduction pathways to achieve tumor growth, angiogenesis and metastasis making it a target in approaches of cancer therapy. Fyn kinase is a 64 kDa protein and one of the 9 members of the Src family kinase (SFK) which are important in the regulation of growth and differentiation of eukaryotic cells. Src-family kinases transduce signals that are involved in the control of a variety of cellular processes, including proliferation, differentiation, motility, and adhesion. Synthesized and N-myristoylated Fyn protein is targeted to the plasma membrane, where it is palmitoylated. Fyn encodes a membrane-associated tyrosine kinase that is implicated in the control of cell growth and it plays a key role in T-cell antigen receptor (TCR) signaling. Dually acetylated Fyn clusters in caveolae-like membrane micro domains and interacts with a variety of other signaling molecules. Fyn's biological functions are diverse and include signaling via the T cell receptor, regulation of brain function and adhesion mediated signaling. It is required in brain development and mature brain function with important roles in the regulation of axon growth, axon guidance, and neurite extension. The human Fyn gene maps to chromosome 6q21 and encodes a 537 amino acid protein.

Molecular Weight:	64 kDa
UniProt:	Q96AE9
Pathways:	JAK-STAT Signaling , TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Feeding Behaviour , CXCR4-mediated Signaling Events , Signaling Events mediated by VEGFR1 and VEGFR2 , Activated T Cell Proliferation , Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	The sample is in ready-to-use buffer for application in SDS-PAGE and Western blotting.
Comment:	Synonyms: Proto-oncogene c-Fyn, p59, Src-like-kinase, SLK, Protooncogene Syn.P59-Fyn
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	For 5 applications, volume varies from 100-200 µL in reduced SDS-PAGE sample buffer.
Storage:	-20 °C
Storage Comment:	-20 °C for long term storage