Syk(phospho Tyr352)Rabbit Polyclonal Antibody

产品详情

产品货号	产品名称	储存条件	保质期
IM51270	Syk(phospho Tyr352)Rabbit Polyclonal Antibody	-20℃	1 年

产品概述：

产品货号	IM51270
别名	SYK;Tyrosine-protein kinase SYK;Spleen tyrosine kinase;p72-Syk.
产品名称	Syk(phospho Tyr352)Rabbit Polyclonal Antibody
类别	抗体产品
基因名称	SYK
蛋白名称	Tyrosine-protein kinase SYK
推荐应用	WB,ELISA
反应种属	Human,Mouse,Rat
浓度	1mg/ml
存储缓冲液	Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% New type preservative N.
Human Gene ID	6850
Human Swissprot No.	P43405
Mouse Gene ID	20963

Mouse Swissprot No.	P48025
Rat Gene ID	25155
Rat Swissprot No.	Q64725
免疫原	Synthesized phospho-peptide around the phosphorylation site of human Syk(phospho Tyr352)
特异性	Phospho-Syk(Y352)Polyclonal Antibody detects endogenous levels of Syk protein only when phosphorylated at Y352.
稀释度	WB 1:500-1:2000,ELISA 1:10000.Not yet tested in other applications.
预测分子量	72kDa
运输及保存条件	-20℃/1 year
宿主	Rabbit
同种型	Rabbit,IgG
背景介绍	This gene encodes a member of the family of non-receptor type Tyr protein kinases.This protein is widely expressed in hematopoietic cells and is involved in coupling activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation,differentiation,and phagocytosis.It is thought to be a modulator of epithelial cell growth and a potential tumour suppressor in human breast carcinomas.Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq,Mar 2010].
组织表达	Widely expressed in hematopoietic cells(at protein level)(PubMed: 8163536).Expressed in neutrophils(at protein level)(PubMed:1512377 0).Within the B-cell compartment,expressed from pro- and pre-B cells

组织表达	to plasma cells(PubMed:8163536).
细胞定位	Cell membrane.Cytoplasm,cytosol.
信号通路	Natural killer cell mediated cytotoxicity;B_Cell_Antigen;Fc epsilon RI;Fc gamma R-mediated phagocytosis.
功能	Catalytic activity:ATP+a[protein]-L-tyrosine=ADP+a [protein]-L-tyrosine phosphate.function:Positive effector of BCR-stimulated responses.Couples the B-cell antigen receptor(BCR)to the mobilization of calcium ion either through a phosphoinositide 3-kinase dependent pathway,when not phosphorylated on tyrosines of the linker region,or through a phospholipase C-gamma-dependent pathway,when phosphorylated on Tyr-348 and Tyr-352.Thus the differential phosphorylation of Syk can determine the pathway by which BCR is coupled to the regulation of intracellular calcium ion.PTM:Autophosphorylated.PTM:Phosphorylation on Tyr-323 creates a binding site for c-Cbl,an adapter protein that serves as a negative regulator of BCR stimulated calcium ion signaling. PTM:Phosphorylation on Tyr-348 and Tyr-352 enhances the phosphorylation and activation of phospholipase C-gamma and the early phase of calcium ion mobilization via a phosphoinositide 3-kinase-independent pathway.PTM:Ubiquitinated by CBLB after BCR activation;which promotes proteasomal degradation.similarity: Belongs to the protein kinase superfamily.Tyr protein kinase family.similarity:Belongs to the protein kinase superfamily.Tyr protein kinase family.SYK/ZAP-70 subfamily.similarity:Contains 1 protein kinase domain.similarity:Contains 2 SH2 domains.subunit: Interacts with CBL and SLA when it is phosphorylated.The interaction with SLA may link it to CBL,leading to its destruction.Interacts with

功能	phosphorylated NFAM1(By similarity). Interacts with Epstein-Barr virus LMP2A. Interacts through its SH2 domains with the phosphorylated ITAM domain of CD79A which stimulates SYK autophosphorylation and activation. Interacts with FCRL3.
纯化	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope specific immunogen.
Clonality	Polyclonal

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