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Datasheet for ABIN7138980 anti-SYK antibody (pTyr323)

3 Images



Overview

Quantity:	100 μL
Target:	SYK
Binding Specificity:	pTyr323
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 323 (N-P-Y(p)-E- P) derived from Human syk.
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

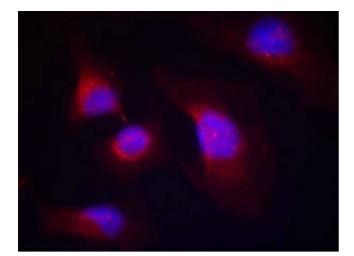
Target:	SYK
Alternative Name:	SYK (SYK Products)

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Target Details	
Background:	Background: 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
	Zhang, J. et al. (2000) J. Biol. Chem. 275, 35442-35447.
	Turner, M. et al. (2000) Immunol. Today 21, 148-154.
	Decker, M. et al. (1998) J. Biol. Chem. 273, 8867-8874.
	Law, C.L. et al. (1996) Mol. Cell. Biol. 16, 1305-1315.
	Aliases: EC 2.7.10.2 antibody, kinase Syk antibody, KSYK antibody, KSYK_HUMAN antibody,
	p72-Syk antibody, p72syk antibody, Spleen tyrosine kinase antibody, Syk antibody, Tyrosine
	protein kinase SYK antibody, Tyrosine-protein kinase SYK antibody
UniProt:	P43405
Pathways:	Fc-epsilon Receptor Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive
	Regulation of Immune Effector Process, Thromboxane A2 Receptor Signaling, BCR Signaling
Application Details	
Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,
Restrictions:	For Research Use only
Handling	

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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KD JK 170 JK 140 JK 95 Syk (pTyr323) 55 Syk 43 J 34 J 26 J

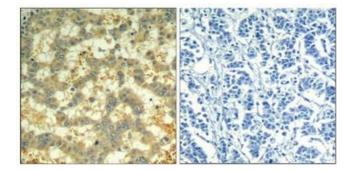
H2O2 3 15 min

Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed Hela cells using syk(phospho-Tyr323) Antibody.

Western Blotting

Image 2. Western blot analysis of extracts from JK cells untreated or treated with H2O2 for the indicated times, using syk(phospho-Tyr323) Antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffinembedded human breast carcinoma tissue using syk(Phospho-Tyr323) Antibody(left) or the same antibody preincubated with blocking peptide(right).

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