

For Research Use Only

Phospho-SYK (Tyr323) Recombinant antibody



Catalog Number: 83331-1-RR

Basic Information

Catalog Number: 83331-1-RR	GenBank Accession Number: BC001645	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 6850	CloneNo.: 2H24
Source: Rabbit	ENSEMBL Gene ID: ENSG00000165025	Recommended Dilutions: WB 1:5000-1:50000 IF 1:125-1:500
Isotype: IgG	UNIPROT ID: P43405	
	Full Name: spleen tyrosine kinase	
	Calculated MW: 72 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human	WB : pervanadate treated Ramos cells, IF : pervanadate treated Ramos cells,

Background Information

SYK(spleen tyrosine kinase) is a key regulator of signal transduction events,apoptosis and orderly cell cycle progression in B-lineage lymphoid cells. The study found that in human platelets, inhibition of PKC leads to Syk hyperphosphorylation on residues Tyr-525/526 whereas Tyr-323 and Tyr-352 phosphorylations are unaffected. PKC negatively regulates Syk activity, as evidenced by hyperphosphorylation of downstream targets, LAT and PLC γ 2 upon PKC inhibition. (PMID: 23960082)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

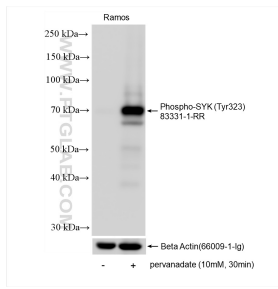
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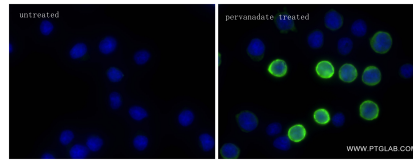
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Selected Validation Data



Non-treated Ramos cells, and pervanadate treated Ramos cells were subjected to SDS PAGE followed by western blot with 83331-1-RR (Phospho-SYK (Tyr323) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as loading control.



Immunofluorescent analysis of (4% PFA) fixed pervanadate treated Ramos cells using Phospho-SYK (Tyr323) antibody (83331-1-RR, Clone: 2H24) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).