For Research Use Only

Phospho-SYK (Tyr323) Recombinant antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:83331-1-RR

Basic Information

Catalog Number:
83331-1-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC001645

GeneID (NCBI):
6850

ENSEMBL Gene ID:
ENSG00000165025

UNIPROT ID:
P43405

Full Name:
spleen tyrosine kinase

Calculated MW:
72 kDa

Observed MW:
70 kDa

Purification Method:
Protein A purfication

CloneNo.:
2H24

Recommended Dilutions:
WB 1:5000-1:50000
IF/ICC 1:125-1:500

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
Human

Positive Controls:

WB : pervanadate treated Ramos cells,

IF/ICC : 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)

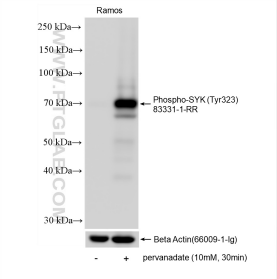
Storage

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

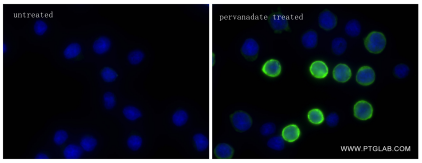
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).