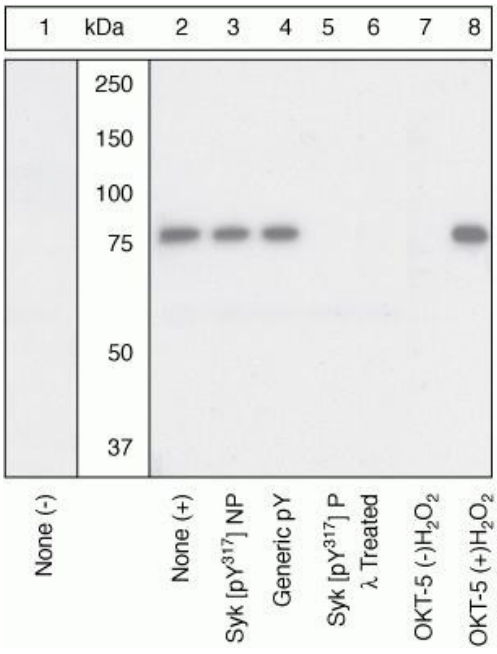
Phospho-Syk (Tyr317) Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of mouse Syk that contains tyrosine 317 (tyrosine 323 in the human sequence).
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20°C
RRID	AB_2533611

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	1 Publication

Product Images For Phospho-Syk (Tyr317) Polyclonal Antibody



Phospho-Syk (Tyr317) Antibody (44-233G) in WB
Peptide Competition and Phosphatase Treatment. Lysates prepared from Jurkat cells left unstimulated (1) or stimulated with H2O2 (2-6) and mouse OKT-5 lymphocytes left unstimulated (7) or stimulated with H2O2 (8) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were either left untreated (Lanes 1-5, 7 & 8) or treated with L-phosphatase (6), blocked with a 3% Milk-TBST buffer for one hour at room temperature, and incubated with Syk (pY317) antibody for two hours at room temperature in a 3% Milk-TBST buffer, following prior incubation with: no peptide (1, 2, 6), the non-phosphopeptide corresponding to the immunogen (3), a generic phosphotyrosine-containing peptide (4), or, the phosphopeptide immunogen (5). After washing, membranes were incubated with goat F (ab')2 anti-rabbit IgG HRP conjugate (Product # ALI4404) and bands were detected using the Pierce SuperSignal™ method. The data show that the signal was induced upon H2O2 treatment. The data also show peptide corresponding to Syk (pY317) blocks the antibody signal, and that phosphatase stripping eliminates the signal, verifying that the antibody is phospho-specific.

1 Reference

Western Blot (1)

Journal of immunology (Baltimore, Md. : 1950)

An Allosteric Shift in CD11c Affinity Activates a Proatherogenic State in Arrested Intermediate Monocytes.

"44-233G was used in Western Blotting to conclude that CD11c functions as a mechanoregulator that activates an inflammatory state preferentially in a majority of iMo from cardiac patients but not healthy patients."

Authors: Hernandez AA,Foster GA,Soderberg SR,Fernandez A,Reynolds MB,Orser MK,Bailey KA,Rogers JH,Singh GD, Wu H,Passerini AG,Simon SI

Year
2020

Species
Human