

Syk (phospho Tyr323) antibody

Cat. No. GTX12862

| | |
|---------------------|--------------|
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Applications | WB, ICC/IF |
| Reactivity | Human, Mouse |

Package
50 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB | Assay dependent |
| ICC/IF | 1:250 |

Not tested in other applications.

Calculated MW 72 kDa. ([Note](#))

Properties

| | |
|----------------------|--|
| Form | Liquid |
| Buffer | PBS, 0.1% BSA, 50% Glycerol |
| Preservative | 0.05% Sodium azide |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| Concentration | Batch dependent (Please refer to the vial label for the specific concentration.) |
| Immunogen | The antiserum was produced against a chemically synthesized phosphopeptide derived from a region of human Syk that contains tyrosine 323 (tyrosine 317 in the mouse sequence). |
| Purification | Purified by antigen-affinity chromatography |
| Conjugation | Unconjugated |

Note

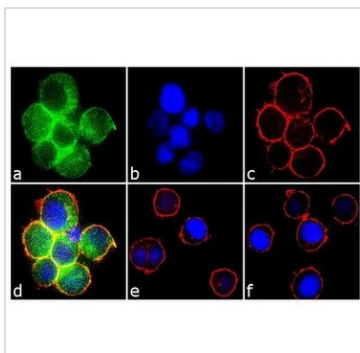
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DATA IMAGES



GTX12862 ICC/IF Image

ICC/IF analysis of Jurkat cells treated with 100 uM H₂O₂ for 1 hour using GTX12862 Syk (phospho Tyr323) antibody. Panel e shows untreated cells with no signal. Panel f represents control cells with no primary antibody to assess background.

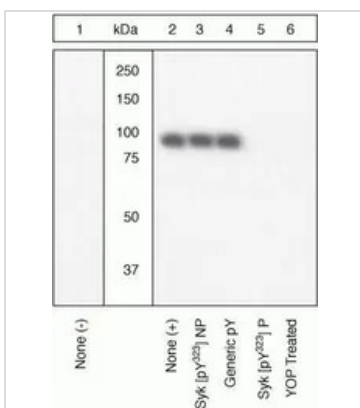
Green : Primary antibody

Blue : Nuclei

Red : Actin

Fixation : 4% paraformaldehyde

Permeabilization : 0.1% Trito X-100 for 10 minutes Dilution: 2 µg/ml



GTX12862 WB Image

WB (peptide competition) analysis of Jurkat cells treated with 10 mM H₂O₂ for 3 minutes (Lane 2-6) using GTX12862 Syk (phospho Tyr323) antibody prior incubated with the non-phosphopeptide corresponding to the phosphopeptide immunogen (Lane 3), a generic phosphotyrosine-containing peptide (Lane 4), or the phosphopeptide immunogen (Lane 5) control. The data show that only the immunogen phosphopeptide blocks the signal, demonstrating the specificity of the antibody. The membrane treated with lambda phosphatase (Lane 6) eliminates the signal further verifying that the antibody is phospho-specific.



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