

# Phospho-Stat6 (Tyr641) (G12) rabbit mAb

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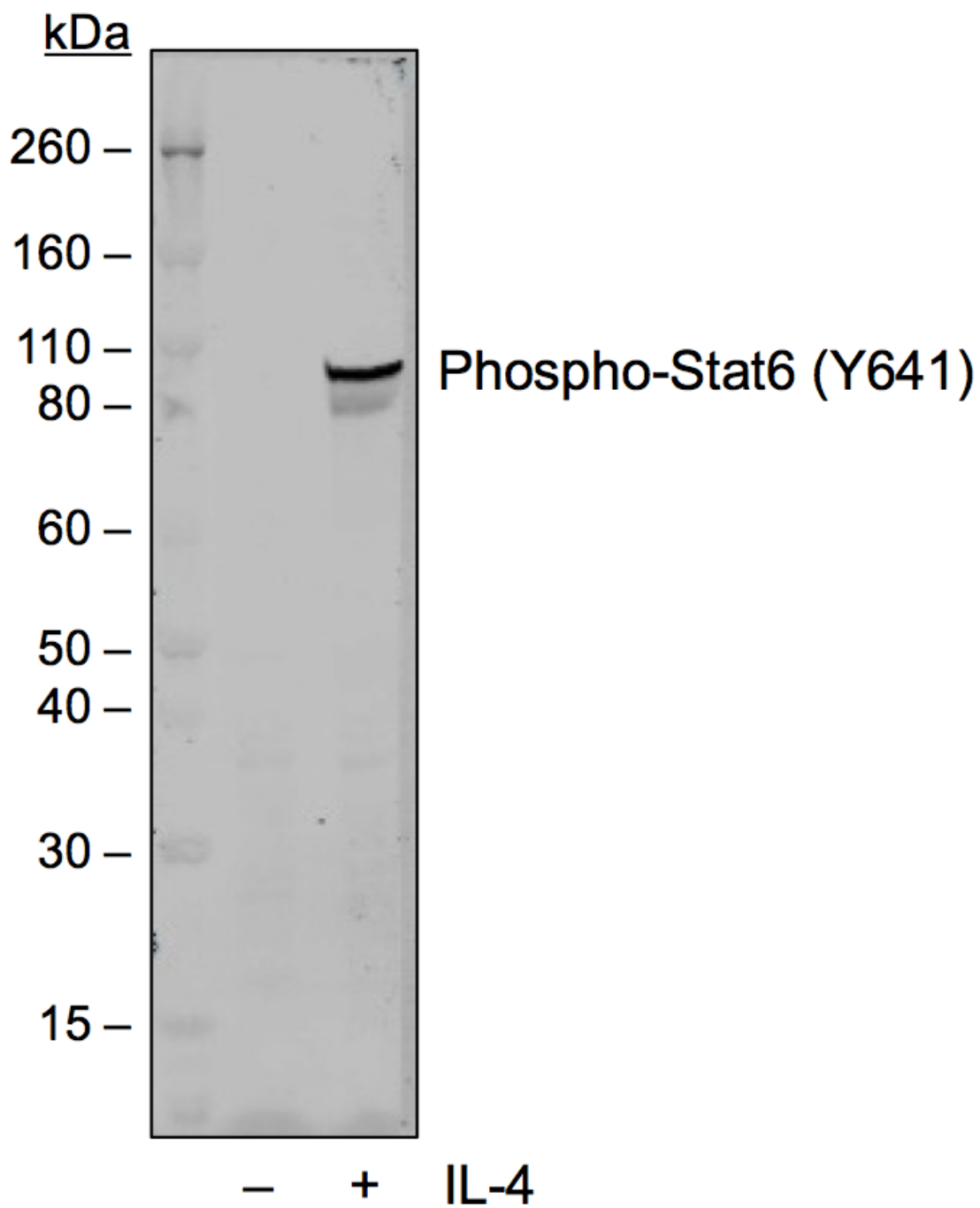
**Catalog:** #1146

**Store at:** -20°C

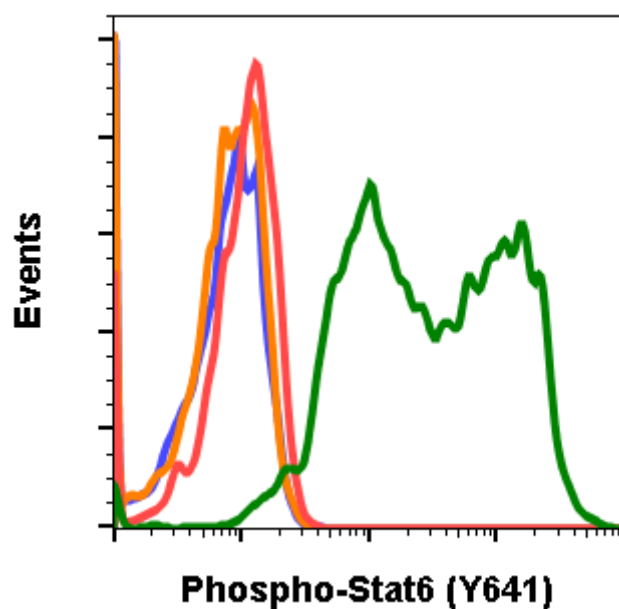
*For Research Use Only. Not For Use In Diagnostic Procedures.*

Applications	Detection	Clonality	Isotype
Flow Cytometry, WB	Anti-Rabbit IgG	Monoclonal	Rabbit IgGk

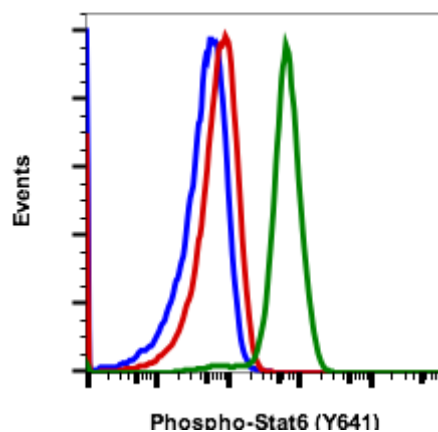
<b>Format:</b>	Unconjugated
<b>Cross Reactivity:</b>	Predicted to work with mouse, rat and other homologues.
<b>Formulation:</b>	1X PBS, 0.02% NaN <sub>3</sub> , 50% Glycerol, 0.1% BSA
<b>Preparation:</b>	Protein A+G
<b>Reactivity:</b>	Human, Mouse
<b>Recommended Usage:</b>	1µg/mL – 0.001µg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.
<b>Immunogen:</b>	A synthetic phospho-peptide corresponding to residues surrounding Tyr641 of human phospho Stat6
<b>Description:</b>	The transcription factor Stat6 is a member of the signal transducers and activators of transcription (STAT) family of proteins. Stat6 is the only member of this family that is activated by interleukin-4 (IL-4), after which Stat6 is both tyrosine- and serine-phosphorylated by Jak kinases. The consensus Stat6 binding site TTCN4GAA is found in the promoters of many genes regulated by IL-4. In T lymphocytes, Stat6 is required for differentiation into Th2 cells in response to IL-4. Stat6 may play a role in solid tumorigenesis; a large immunohistochemistry study of Stat6 expression in over 2,000 tumor samples confirmed strong nuclear staining.
<b>References:</b>	Kaplan MH, Schindler U, Smiley ST, and Grusby MJ. (1996) Immunity. 4:313-319. Demicco EG, Harms PW, Patel RM, et al. (2015) American Journal of Clinical Pathology. 143:672-682. Wick KR, and Berton MT. (2000) Molecular Immunology. 37:641-652.



Western blot analysis of Daudi cell extract untreated or treated with IL-4 using 0.01 $\mu$ g/mL Phospho-Stat6 (Tyr641) antibody Stat6Y641-G12. Cat. #1146.



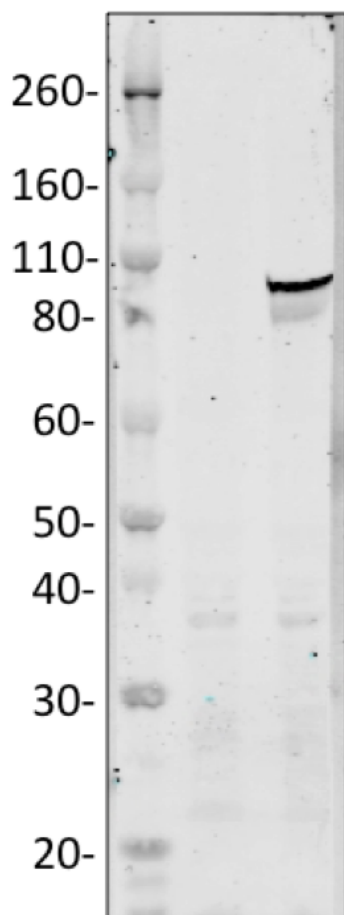
Flow cytometric analysis of NIH3T3 cells secondary antibody only negative control (blue) or 0.1  $\mu\text{g/mL}$  of isotype control Cat. #2141 (orange) or treated with imatinib (red) or with pervanadate (green) using Phospho-Stat6 (Tyr641) antibody Stat6Y641-G12 at 0.1  $\mu\text{g/mL}$ . Cat #1146.



Flow cytometric analysis of U937 cells secondary antibody only negative control (blue) or untreated (red) or treated with IFN $\alpha$  and IL-4 (green) using 0.1  $\mu\text{g/mL}$  Phospho-Stat6 (Tyr641) antibody Stat6Y641-G12. Cat. #1146.

## Abwiz Cat. #1146

**0.01** µg/mL



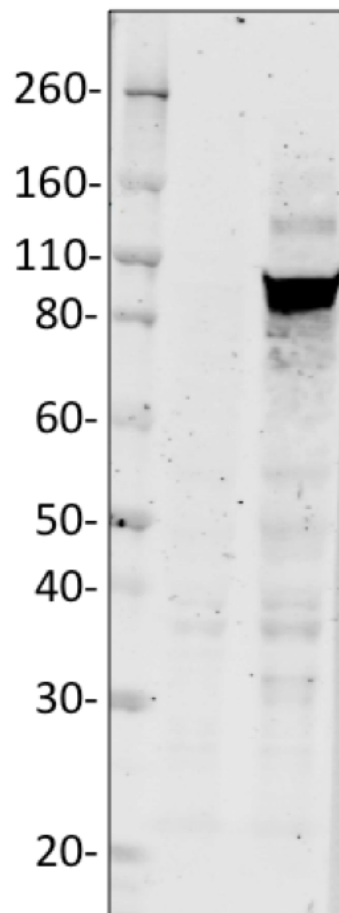
**Phospho-Stat6  
(Y641)**

**- + IL-4**

## Company C

**0.05** µg/mL

(recommended conc.)

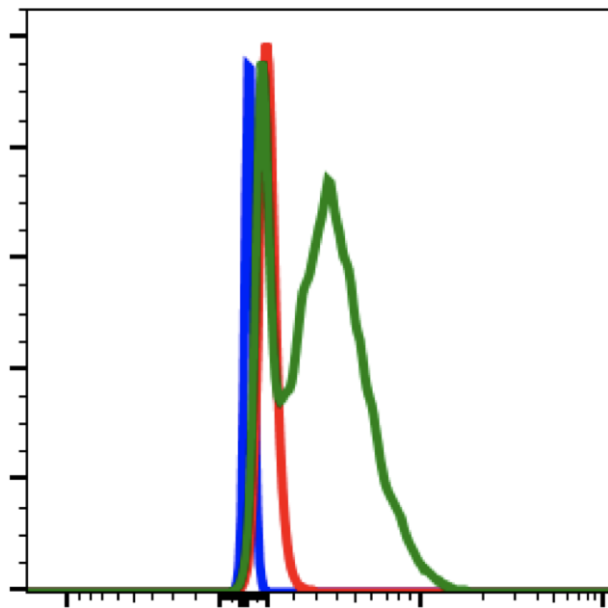


**- +**

Western blot analysis of Daudi cell extract untreated or treated with IL-4 using 0.01 µg/mL Phospho-Stat6 (Tyr641) antibody Stat6Y641-G12 Cat. #1146 or Company C antibody at 0.05 µg/mL (manufacturer's recommended concentration) developed using the same exposure.

**Abwiz Cat. #1146**

**0.5 µg/mL**

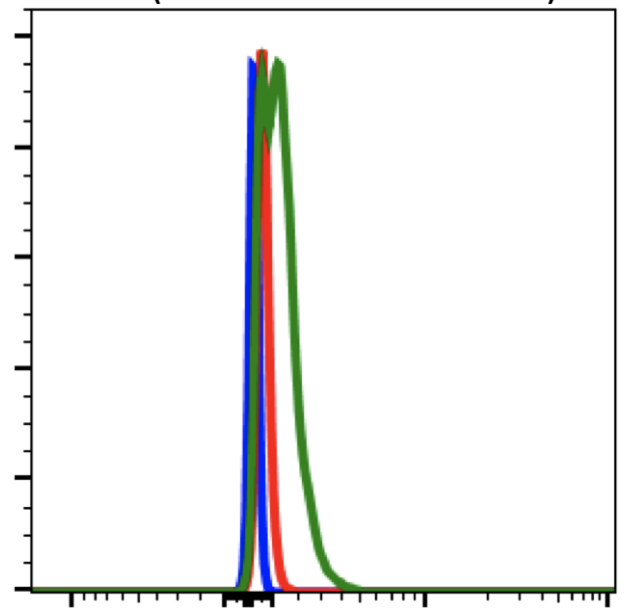


**Phospho-Stat6 (Y641)**

**Company C**

**0.5 µg/mL**

**(recommended conc.)**



**Phospho-Stat6 (Y641)**

Flow cytometric analysis of Ramos cells secondary antibody only negative control (blue) or untreated (red) or treated with IL-4 (green) using Phospho-Stat6 (Y641) antibody Stat6Y641-G12 (Abwiz Cat. #1146) or Company C antibody at 0.5 µg/mL (manufacturer's recommended concentration).