

## Recombinant Phospho-Stat6 (Tyr641) Monoclonal Antibody

catalog number: **AN300083L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues around Tyr641 of the Human Stat6
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	12G12
<b>Purification</b>	Protein A
<b>Buffer</b>	10 mM sodium HEPES, 150 mM NaCl, 100 µg/mL protein protectant, 50% glycerol, pH 7.5

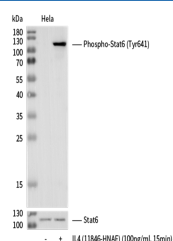
### Applications

### Recommended Dilution

**WB**

1:2000-1:20000

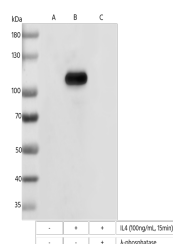
### Data



Western blot analysis of extracts from serum-starved HeLa, untreated (-) or treated with IL4 (100 ng/mL, 15min; +), using Phospho-Stat6 (Tyr641) Monoclonal Antibody at 1:10000 dilution (upper) or Anti-STAT6 Antibody, Rabbit PAb at 1:1000 dilution (lower).

**Observed-MW: 110 kDa**

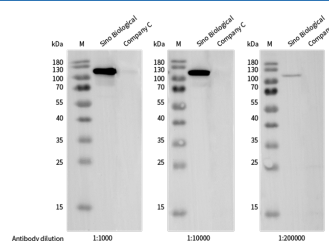
**Calculated-MW: 94 kDa**



Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with IL4 (100 ng/mL, 15min) (line B); treated with IL4 and λ-phosphatase (line C) using Phospho-Stat6 (Tyr641) Monoclonal Antibody at 1:10000 dilution.

**Observed-MW: 110 kDa**

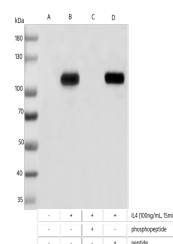
**Calculated-MW: 94 kDa**



Western blot analysis of extracts from serum-starved HeLa, treated with IL4 (100 ng/mL, 15 min), using Phospho-Stat6 (Tyr641) Monoclonal Antibody and other brands' antibodies (Company C) at dilution of 1:1000, 1:10000 and 1:200000.

**Observed-MW: 110 kDa**

**Calculated-MW: 94 kDa**



Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with IL4 (100 ng/mL, 15min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-Stat6 (Tyr641) Monoclonal Antibody at 1:10000 dilution.

**Observed-MW: 110 kDa**

**Calculated-MW: 94 kDa**

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.1

## Preparation & Storage

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

**Shipping**

Ice bag

## Background

The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.

## For Research Use Only

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.1