Recombinant Phospho-Stat6 (Tyr641) Monoclonal Antibody

catalog number: **AN300083L**

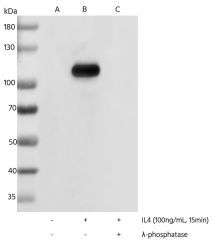
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic phosphopeptide corresponding to residues around Tyr641 of the Human Stat6
Host	Rabbit
Isotype	IgG
Clone	C120063
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB:	1:1000；IHC-P: 1:1000-1:5000；FC: 1:200-1:500；IP: 1:20-1:50

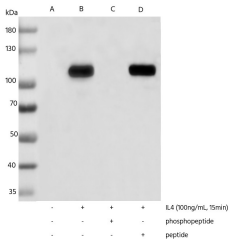
Data



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 1:1000 dilution.

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 1:1000 dilution.

Observed-MW:110 kDa

Calculated-MW:94 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid 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.[provided by RefSeq, May 2010]

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