

Recombinant Phospho-Stat6 (Tyr641) Monoclonal Antibody

catalog number: AN300083L

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

Description

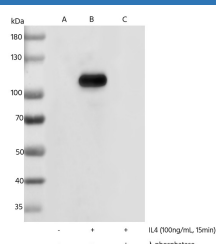
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic phosphopeptide corresponding to residues around Tyr641 of the Human Stat6
Host	Rabbit
Isotype	IgG
Clone	A1193
Purification	Protein A
Buffer	0.2 μ m filtered solution in PBS

Applications

Recommended Dilution

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

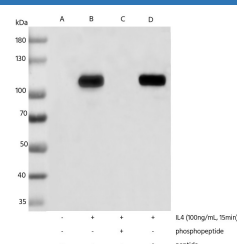
Data



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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