

Product Data Sheet

Purified anti-STAT 5b

Catalog # / Size: 610101 / 50 µl (5 Western blots)
 610102 / 200 µl (20 Western blots)

Clone: Poly6101

Isotype: Rabbit IgG

Immunogen: Recombinant (partial) , N-terminal

Reactivity: Human

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20° C.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: STAT 5b is a 90 kD member of the STAT (signal transducer and activator of transcription) protein family that is phosphorylated in response to cytokine receptor-associated kinase activity. Phosphorylation of STAT 5b induces nuclear translocation to activate transcription. STAT 5b is activated by IL-2, IL-4, CSF-1, and other growth hormones and is involved in diverse biological processes including TCR signaling, apoptosis, sexual dimorphism of liver gene expression and adult mammary gland development. STAT 5b is fused with retinoic acid receptor-α in some acute promyelocytic leukemias. STAT 5b is highly expressed in bulk germ cell seminoma and normal endometrium (late proliferative phase) and weakly expressed in fetal liver, testis, brain, human placenta, and muscle. STAT 5b has been shown to interact with the proteins nr3c1 and nmi. The Poly6101 antibody recognizes the N-terminal region of human STAT5b and has been shown to be useful for Western blotting.

Antigen References: 1. Lin J, *et al.* 1996. *J. Biol. Chem.* 271:10738.
 2. Lischke A, *et al.* 1998. *J. Biol. Chem.* 273:31222.
 3. Welte T, *et al.* 1999. *Science* 283:222.

Related Products:

Product
 Purified anti-human IL-4

Purified anti-human IL-4
 Purified anti-human IL-2

Purified anti-STAT3
 Purified anti-STAT 4
 Purified anti-STAT 6
 HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone

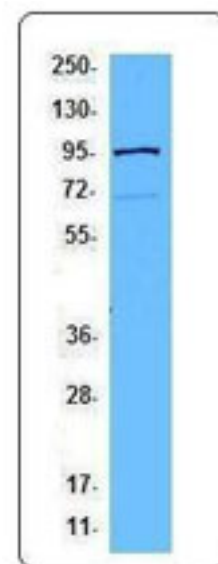
MP4-25D2

8D4-8
 MQ1-17H12

Poly6246
 Poly6100
 Poly6102
 Poly4064

Application

ELISA, ICFC, IHC, IP, WB,
 CyTOF®
 ELISA Capture, IHC, IP
 ELISA Capture, IHC, IP,
 CyTOF®
 WB
 WB
 WB
 ELISA, IHC, WB



MOLT-4 cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-Stat 5b antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.



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