

STAT3

Rabbit Anti-Human Signal Transducer and Activator of Transcription 3 Clone Poly6246 Affinity Purified pAb

Catalog No.	CSI10965	Quantity:	50 µl
	CSI10966		200 µl

Alternate Names: Signal transducer and activator of transcription 3

Description: STAT 3 is an 88 kD member of the STAT (signal transducer and activators of transcription) protein family that is phosphorylated in response to cytokine receptor-associated kinase activity. Phosphorylation of STAT 3 induces nuclear translocation to activate transcription. STAT3 is expressed in brain, heart, placenta, lung, liver, skeletal muscle, kidney, and pancreas. STAT 3 forms both homo- and heterotrimers and is involved in the activation of genes required for cell growth and apoptosis. STAT 3 is also involved in gp130 signaling and binds to IL-6 response elements in various acute phase protein promoters. STAT 3 is phosphorylated by signaling from IFNs, EGF, FGF, IL-5, HGF, LIF, and BMP2. STAT 3 activity is inhibited by PIAS3 and GRIM-19 and can also be regulated by Rac1 protein. STAT 3 interacts with Rac1, STAT 1, and NCOA1 proteins. The Poly6246 antibody recognizes the C-terminal region of human, mouse, and rat STAT3 and has been shown to be useful for Western blotting, immunoprecipitation, and immunohistochemistry. The Poly6246 antibody does not react with STAT3b.

Gene ID: 6774

Host: Rabbit

Immunogen: Peptide mapping to the carboxy terminus of mouse STAT3 p92

Isotype: Rabbit IgG

Clone: Poly6246

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin. **Precaution:** Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

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

Reactivity: Human, Mouse, rat (does not react with STAT3b)

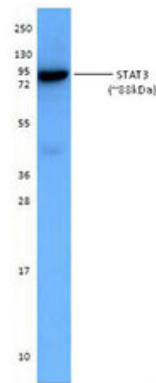
Applications: Western Blotting



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.

Storage & Stability: The antibody solution should be stored undiluted at 4°C. DO NOT FREEZE.

Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with purified anti-STAT3 antibody (clone Poly6246). Proteins were visualized using a donkey anti-rabbit secondary antibody conjugated to HRP and chemiluminescence.



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Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com