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Anti-Stat3 (N-terminal region) Antibody

Catalog # AN1979

Product Information

Application	WB, IP
Primary Accession	P40763
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Clone Names	M263
Calculated MW	88068

Additional Information

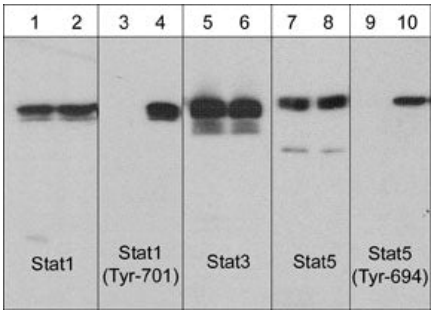
Gene ID	6774
Other Names	Signal transducer and activator of transcription 3
Dilution	WB~~1:1000 IP~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-Stat3 (N-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

The stat proteins (Stat1-6) function both as cytoplasmic signal transducers and as activators of transcription in response to cytokines and growth factor receptors. Stat3 is expressed as two variants, Stat3α (86 kDa) and Stat3b (79 kDa) that can differ in expression and activity depending on cell type, activation pathway, and cell maturation stage. Both are activated by phosphorylation at Tyr-705, which induces dimerization, nuclear translocation and DNA binding. Stat3α (86 kDa) transcriptional activation may be regulated by phosphorylation at Ser-727 through the MAPK pathway, while Stat3β lacks this serine site.

Images

Western blot analysis of human A431 cells untreated (lanes 1, 3, 5, 7, & 9) or treated with EGF (100 nM) for 60 min (lanes 2, 4, 6, 8, & 10). The blots were probed with anti-Stat1 (lanes 1 & 2), anti-Stat1 (Tyr-701) (lanes 3 & 4), anti-Stat3 (lanes 5 & 6), anti-Stat5 (lanes 7 & 8), and anti-Stat5 (Tyr-694) (lanes 9 & 10).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.