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Anti-Stat3 (N-terminal region) Antibody
Catalog # AN1979

Specification

Anti-Stat3 (N-terminal region) Antibody - Product Information

Application	**WB**
Primary Accession	P40763
Reactivity	**Bovine**
Host	**Mouse**
Clonality	**Mouse Monoclonal**
Isotype	**IgG1**
Calculated MW	**88068**

Anti-Stat3 (N-terminal region) Antibody - Additional Information

Gene ID	**6774**

Other Names
Signal transducer and activator of transcription 3

Dilution
WB~~1:1000

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

Anti-Stat3 (N-terminal region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Stat3 (N-terminal region) Antibody - Images

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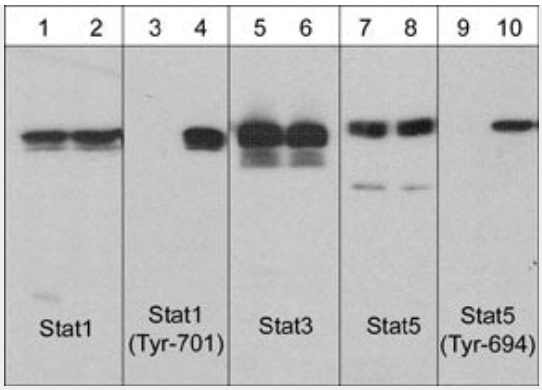

Western blot analysis of human A431 cells untreated (lanes 1, 3, 5, 7, & 9) or treated with EGF (100 nM) for 60 min (lanes 2, 4, 6, 8, & 10). The blots were probed with anti-Stat1 (lanes 1 & 2), anti-Stat1 (Tyr-701) (lanes 3 & 4), anti-Stat3 (lanes 5 & 6), anti-Stat5 (lanes 7 & 8), and anti-Stat5 (Tyr-694)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

Anti-Stat3 (N-terminal region) Antibody - 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.