SignalChem
Specialists in Signaling Proteins
1-866-9 KINASE (54-6273)

| Catalogue # | Aliquot Size |
|---|---|
| S54-63CR-100 | 100 µg |

# Anti-STAT3

Rabbit Polyclonal Antibody

**Catalog # S54-63CR**
*Lot # O2121-54*

## Cited Applications

WB, ELISA

*Ideal working dilutions for each application should be empirically determined by the investigator.*

## Specificity

Recognizes the STAT3 protein

## Cross Reactivity

Human, Mouse and Rat

## Host/Isotype/Clone#

Rabbit, IgG

## Immunogen

Rabbit polyclonal STAT3 antibody was raised against a 19 amino acid peptide near the amino terminus of human STAT3

## Formulation

PBS + 0.02% sodium azide

## Stability

1yr at –20°C from date of shipment

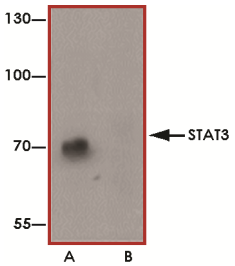
## Scientific Background

STAT3 is a member of the signal transducers and activators of transcription (STAT) family of proteins that carry out a dual function: signal transduction and activation of transcription. STAT3 is widely expressed and becomes activated through phosphorylation on tyrosine as a DNA binding protein in response to a variety of stimuli such as EGF, IL-6, PDGF, IL-2 and G-CSF (1). This phosphoprotein forms homodimers as well as heterodimers with other members of the STAT family and translocate to the nucleus in order to modulate the transcription of various genes (2).

## References


1. Zhong, Z. et al: Stat3: a STAT family member activated by tyrosine phosphorylation in response to epidermal growth factor and interleukin-6. Science. 1994 Apr 1;264(5155):95-8.
2. Tian, S. S. et al: Rapid activation of the STAT3 transcription factor by granulocyte colony-stimulating factor. Blood. 1994 Sep 15;84(6):1760.


## Sample Data




Western blot analysis of STAT3 in human small intestine tissue lysate with STAT3 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.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Rabbit Polyclonal Antibody


| | |
|---|---|
| Catalog Number | S54-63CR |
| Specific Lot Number | O2121-54 |
| Purification | Affinity chromatography |
| Stability | 1yr at –20°C from date of shipment |
| Storage & Shipping | Store product at –20°C. For optimal storage, aliquot antibody into smaller quantities after centrifugation and store at recommended temperature. For optimal performance, avoid repeated handling and multiple freeze/thaw cycles. Product shipped on ice packs. |


To place your order, please contact us by phone 1-(604)-232-4600, fax 1-604-232-4601 or by email: orders@signalchem.com
www.signalchem.com



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