Anti-STAT3
Rabbit Polyclonal Antibody
Catalog # S54-63R
Lot # H257-2

Cited Applications
- Western blot (1:250)
Ideal working dilutions for each application should be empirically determined by the investigator.

Specificity
Recognizes the STAT3 protein

Cross Reactivity
- Western blot of human STAT3
STAT3 from other species may also be detectable

Host
Rabbit

Immunogen
Protein Code: P40763

Formulation
TBS, 50% glycerol

Stability
Store at 4°C (add 0.1% NaN₃) for several months, and at -20°C for longer periods. 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.

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

Sample Data
Representative western blot with Anti-STAT3 (1:250) using 20 ng of GST tagged human recombinant STAT1β, STAT2, STAT3, STAT4, STAT5, and STAT6.

Anti-STAT3
Rabbit Polyclonal Antibody
Catalog Number S54-63R
Specific Lot Number H257-2
Purification Affinity chromatography
Concentration 0.25 µg/µL
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.

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