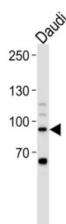
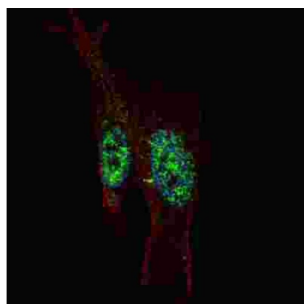


Signal Transducer And Activator of Transcription 3 (STAT3) Antibody

Catalogue No.: abx029998



The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Three alternatively spliced transcript variants encoding distinct isoforms have been described.

Target: Signal Transducer And Activator of Transcription 3 (STAT3)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB, IF/ICC

Host: Rabbit

Recommended dilutions: WB: 1/1000, IF/ICC: 1/200. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide from the C-terminal region of human STAT3, aa 711-743.

Isotype: IgG

Datasheet

Version: 3.0.0

Revision date: 13 Aug 2025



Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P40763 (UniProt , ExPASy)
NCBI Accession:	NP_003141.2, NP_644805.1, NP_998827.1
KEGG:	hsa:6774
String:	9606.ENSP00000264657
Molecular Weight:	Calculated MW: 88.1 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only