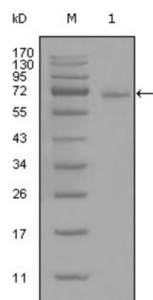
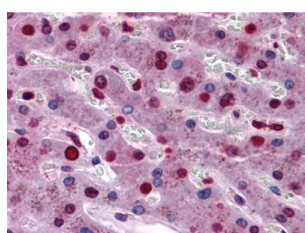


Signal Transducer And Activator of Transcription 3 (STAT3) Antibody

Catalogue No.: abx011818



Western blot analysis using STAT3 antibody against full-length STAT3-His recombinant protein (1).



Immunohistochemical analysis of paraffin-embedded human Liver tissues using STAT3 antibody.

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: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IHC

Host: Mouse

Recommended dilutions: ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of STAT3 expressed in E. coli.

Datasheet

Version: 4.0.0
Revision date: 26 Aug 2025



Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P40763 (UniProt , ExPASy)
Gene Symbol:	STAT3
GeneID:	6774
OMIM:	102582
HGNC:	11364
KEGG:	hsa:6774
Ensembl:	ENSG00000168610
String:	9606.ENSP00000264657
Molecular Weight:	88 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.