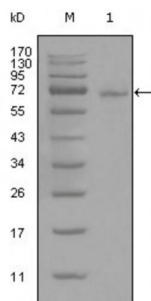
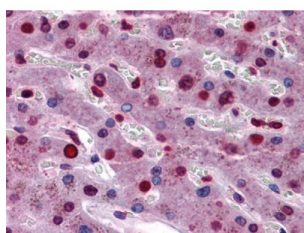


## Signal Transducer And Activator of Transcription 3 (STAT3) Antibody

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:** STAT3

**Reactivity:** Human

**Host:** Mouse

**Clonality:** Monoclonal

**Tested Applications:** ELISA, WB, IHC

**Recommended dilutions:** ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Immunogen:** Purified recombinant fragment of STAT3 expressed in E. Coli.

**Purification:** Unpurified Ascites.

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|                          |                                                                 |
|--------------------------|-----------------------------------------------------------------|
| <b>Isotype:</b>          | IgG <sub>1</sub>                                                |
| <b>Conjugation:</b>      | Unconjugated                                                    |
| <b>Storage:</b>          | Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles. |
| <b>Molecular Weight:</b> | 88 kDa                                                          |
| <b>Swiss Prot:</b>       | <a href="#">P40763</a>                                          |
| <b>GeneID:</b>           | <a href="#">6774</a>                                            |
| <b>Gene Symbol:</b>      | STAT3                                                           |
| <b>OMIM:</b>             | <a href="#">102582</a>                                          |
| <b>HGNC:</b>             | 11364                                                           |
| <b>Ensembl:</b>          | ENSG00000168610                                                 |
| <b>Buffer:</b>           | Ascitic fluid containing 0.03% sodium azide.                    |
| <b>Note:</b>             | This product is for research use only.                          |