

## Mouse anti-Human STAT3 Antibody | anti-STAT3 antibody

STAT3 Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                              |
|-----------|-------|------------|-------------------------------------------|
| AAA108698 | Mouse | Human      | ELISA, Immunohistochemistry, Western Blot |

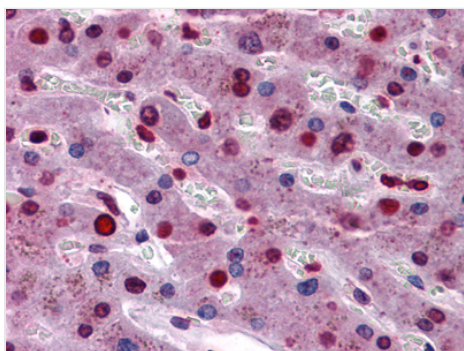
### PRODUCT SYNONYMS

STAT3; STAT3 Antibody; APRF; HIES; anti-STAT3 antibody

### PRODUCT SPECIFICATIONS

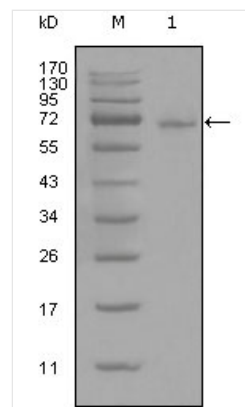
|                                                 |                                                                   |
|-------------------------------------------------|-------------------------------------------------------------------|
| Host                                            | Mouse                                                             |
| Reactivity                                      | Human                                                             |
| Isotype                                         | IgG1                                                              |
| Clone Number                                    | 7G3H4                                                             |
| Form/Format                                     | Ascitic fluid containing 0.03% sodium azide.                      |
| Sequence Length                                 | 769                                                               |
| Applicable Applications for anti-STAT3 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)              |
| Immunogen                                       | Purified recombinant fragment of STAT3 expressed in E. Coli.      |
| Preparation and Storage                         | Store at 4 degree C, for long term storage, store at -20 degree C |

### IMAGES



**IHC (Immunohistochemistry)**

Figure 2. Immunohistochemical analysis of paraffin-embedded human Liver tissues using STAT3 mouse mAb



**WB (Western Blot)**

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

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STAT3 antibody | STAT3. signal transducer and activator of transcription 3 (acute-phase response factor). 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. |
| Product Categories/Family for anti-STAT3 antibody   | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI GI #                        | 21618338                                                     |
| NCBI GeneID                      | 6774                                                         |
| NCBI Accession #                 | NP_003141.2                                                  |
| NCBI GenBank Nucleotide #        | NM_003150.3                                                  |
| UniProt Accession #              | P40763; O14916; Q9BW54; A8K7B8; K7ENL3                       |
| Molecular Weight                 | 83,126 Da                                                    |
| NCBI Official Full Name          | signal transducer and activator of transcription 3 isoform 2 |
| NCBI Official Synonym Full Names | signal transducer and activator of transcription 3           |
| NCBI Official Symbol             | STAT3                                                        |
| NCBI Official Synonym Symbols    | APRF; HIES; ADMIO; ADMIO1                                    |
| NCBI Protein Information         | signal transducer and activator of transcription 3           |
| UniProt Protein Name             | Signal transducer and activator of transcription 3           |
| UniProt Gene Name                | STAT3                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mouse-human-antibody/stat3/108698>