

## Rabbit STAT1 Polyclonal Antibody | anti-STAT1 antibody

STAT1 antibody - N-terminal region

| CATALOG # | HOST   | REACTIVITY                                                         | APPLICATIONS |
|-----------|--------|--------------------------------------------------------------------|--------------|
| AAA197576 | Rabbit | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep | Western Blot |

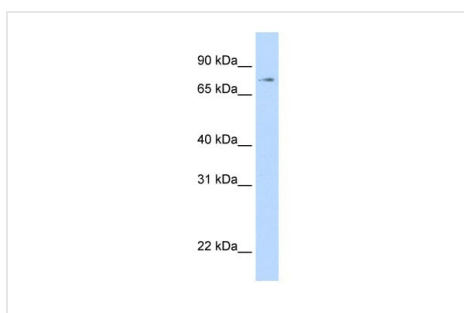
### PRODUCT SYNONYMS

STAT1; Polyclonal Antibody; STAT1 antibody - N-terminal region; anti-STAT1 antibody

### PRODUCT SPECIFICATIONS

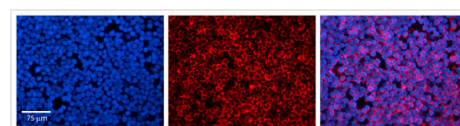
|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following region: MC IEHEIKSLED LQDEYDFKCK TLQNREHETN GVAKSDQKQE QLLLKKMY                                                  |
| Sequence Length                                 | 750                                                                                                                                                   |
| Applicable Applications for anti-STAT1 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 92%; Dog: 84%; Guinea Pig: 92%; Horse: 84%; Human: 100%; Mouse: 90%; Pig: 84%; Rabbit: 92%; Rat: 84%; Sheep: 92%                                 |
| Immunogen                                       | The immunogen is a synthetic peptide directed towards the N terminal region of human STAT1                                                            |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-STAT1 Antibody Titration: 0.2-1 ug/mL  
ELISA Titer: 1:12500  
Positive Control: recombinant STAT1 protein



#### IHC (Immunohistochemistry)

Rabbit Anti-STAT1 Antibody  
Formalin Fixed Paraffin Embedded Tissue: Human Lymph Node Tissue  
Observed Staining: Cytoplasm  
Primary Antibody Concentration: 1:100  
Other Working Concentrations: N/A  
Secondary Antibody: Donkey anti-Rabbit-Cy3  
Secondary Antibody Concentration: 1:200  
Magnification: 20X  
Exposure Time: 0.5 - 2.0 sec

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STAT1 antibody | <p>This is a rabbit polyclonal antibody against STAT1. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: STAT1 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 can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. 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 can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described.</p> |
| Product Categories/Family for anti-STAT1 antibody   | <a href="#">Polyclonal</a> ; <a href="#">Transcription Factor</a> ; <a href="#">Transcription Regulation</a> ; <a href="#">Cell Cycle Proteins</a> ; <a href="#">Lymphocyte Signaling</a> ; <a href="#">Transcription Regulation</a> ; <a href="#">Chromatin &amp; Nuclear Signaling</a> ; <a href="#">Signal Transduction</a> ; <a href="#">Stem Cells</a> ; <a href="#">Microbiology</a> ; <a href="#">Transcription Factors</a> ; <a href="#">Cell Differentiation</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">6274552</a>                                                     |
| NCBI GeneID                      | <a href="#">6772</a>                                                        |
| NCBI Accession #                 | <a href="#">NP_009330</a>                                                   |
| NCBI GenBank Nucleotide #        | <a href="#">NM_007315</a>                                                   |
| UniProt Accession #              | <a href="#">P42224</a>                                                      |
| Molecular Weight                 | 87kDa                                                                       |
| NCBI Official Full Name          | signal transducer and activator of transcription 1-alpha/beta isoform alpha |
| NCBI Official Synonym Full Names | signal transducer and activator of transcription 1                          |
| NCBI Official Symbol             | STAT1                                                                       |
| NCBI Official Synonym Symbols    | CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91                              |
| NCBI Protein Information         | signal transducer and activator of transcription 1-alpha/beta               |
| UniProt Protein Name             | Signal transducer and activator of transcription 1-alpha/beta               |
| UniProt Gene Name                | <b>STAT1</b>                                                                |
| UniProt Entry Name               | STAT1_HUMAN                                                                 |

**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/polyclonal/stat1-antibody-western-blot-elisa/197576>