



[Go to Product page](#)

Datasheet for ABIN6148581  
**anti-STAT6 antibody (AA 1-180)**

5 Images

Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | STAT6  |
| Binding Specificity: | AA 1-180                                       |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal                                     |
| Conjugate:           | This STAT6 antibody is un-conjugated           |
| Application:         | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

|                   |  |
|-------------------|--|
| Immunogen:        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human STAT6 (NP_001171550.1).   |
| Sequence:         | MSLWGLVSKM PPEKVQRLYV DFPQHLRHLL GDWLESQPWE FLVGSDAFCC NLASALLSDT<br>VQHLQASVGE QGEGSTILQH ISTLESYQR DPLKLVATFR QILQGEKKAV MEQFRHLPMP<br>FHWKQEELKF KTGLRRLQHR VGEIHLLREA LQKGAEAGQV SLHSLIETPA NGTGPSEALA |
| Isotype:          | IgG  |
| Cross-Reactivity: | Human, Mouse, Rat  |
| Characteristics:  | Polyclonal Antibodies  |

Target Details

|         |       |
|---------|-------|
| Target: | STAT6 |
|---------|-------|

## Target Details

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Alternative Name: STAT6 ([STAT6 Products](#))

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Background: The protein encoded by this gene is a member of the STAT family of transcription factors. 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 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. Alternative splicing results in multiple transcript variants.,D12S1644,IL-4-STAT,STAT6B,STAT6C,STAT6,Epigenetics & Nuclear Signaling,Transcription Factors,Signal Transduction,Immunology & Inflammation,IL-6 Receptor Signaling Pathway,STAT6

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Molecular Weight: 74 kDa/81 kDa/94 kDa

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Gene ID: 6778

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UniProt: [P42226](#)

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Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

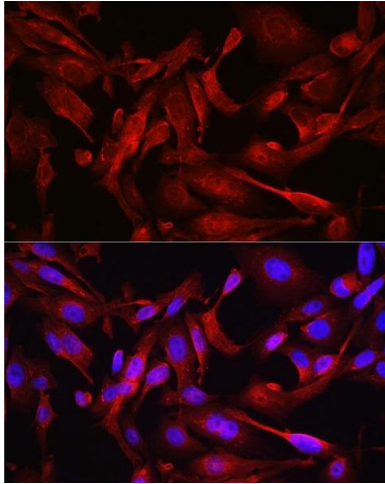
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Storage: -20 °C

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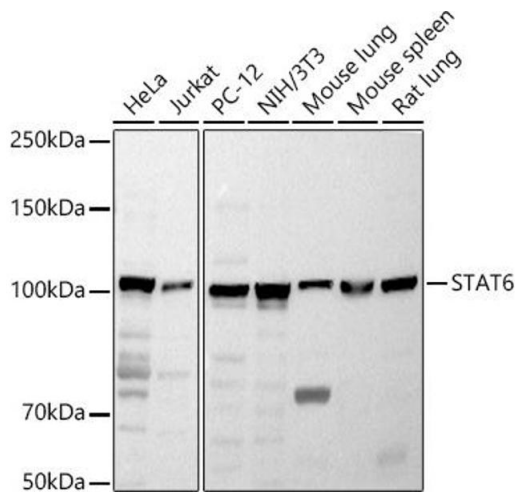
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

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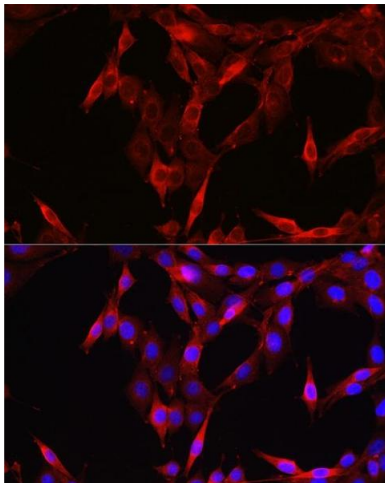
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of U2OS cells using ST Rabbit pAb (ABIN6128541, ABIN6148581, ABIN6148582 and ABIN6213980) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using ST antibody (ABIN6128541, ABIN6148581, ABIN6148582 and ABIN6213980) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of NIH/3T3 cells using ST Rabbit pAb (ABIN6128541, ABIN6148581, ABIN6148582 and ABIN6213980) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6148581.