

Datasheet for ABIN5557344
anti-STAT5B antibody



[Go to Product page](#)

4 Images

Overview

| | |
|--------------|--|
| Quantity: | 100 µL |
| Target: | STAT5B |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Monoclonal |
| Conjugate: | This STAT5B antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-------------------|---|
| Immunogen: | Recombinant human STAT5b protein, around 500-600aa. |
| Clone: | 12A1 |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Purified by Protein A. |

Target Details

| | |
|-------------------|---|
| Target: | STAT5B |
| Alternative Name: | STAT5b (STAT5B Products) |
| Background: | Synonyms: Transcription factor STAT5B, Signal transducer and activator of transcription 5B, STA5B_HUMAN, STAT5, Stat5b. |

Target Details

Background: Carries out a dual function: signal transduction and activation of transcription.
Binds to the GAS element and activates PRL-induced transcription.

Gene ID: [6777](#)

UniProt: [P51692](#)

Pathways: [JAK-STAT Signaling](#), [RTK Signaling](#), [Response to Growth Hormone Stimulus](#), [C21-Steroid Hormone Metabolic Process](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [CXCR4-mediated Signaling Events](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: WB 1:1000-2000
IHC-P 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

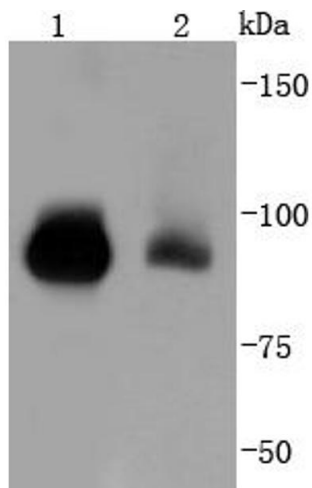
Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

Storage: -20 °C

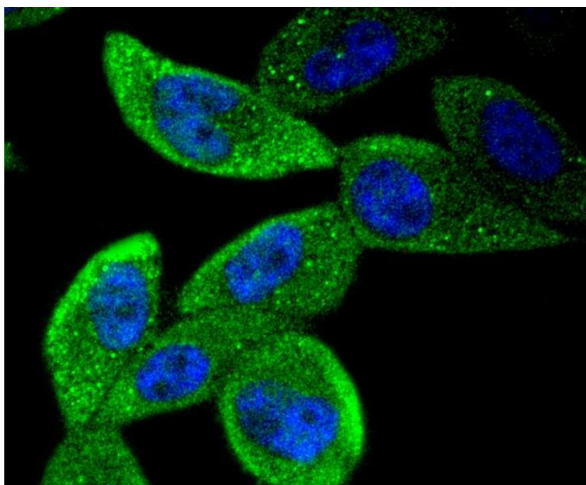
Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



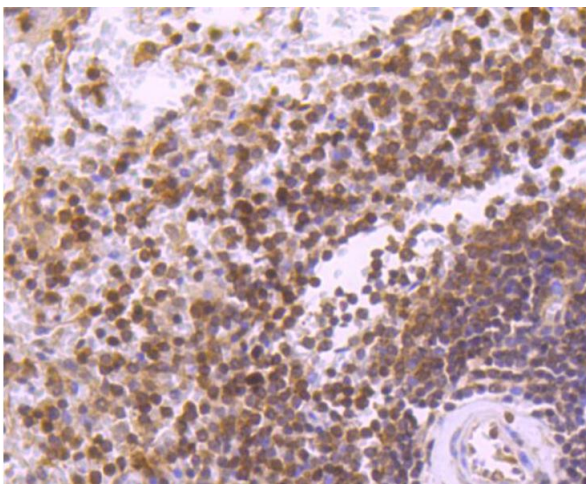
Western Blotting

Image 1. Lane 1: K562, Lane 2: Hela lysate probed with STAT5b (12A1) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.



Immunofluorescence (Cultured Cells)

Image 2. PC-3 cells were stained with STAT5b (12A1) Monoclonal Antibody at [1:200] incubated overnight at 4°C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded Human spleen tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with STAT5b (12A1) Monoclonal Antibody at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5557344.