

### Anti-STAT5a + STAT5b antibody [EPR16671-40] ab194898

リコンビナント **RabMAb**

★★★★★ **3 Abreviews** **12 References** 画像数 **13**

#### 製品の概要

製品名	Anti-STAT5a + STAT5b antibody [EPR16671-40]
製品の詳細	Rabbit monoclonal [EPR16671-40] to STAT5a + STAT5b
由来種	Rabbit
アプリケーション	<b>適用あり:</b> Flow Cyt (Intra), IHC-P, WB, ICC/IF, IP
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human STAT5A full length recombinant protein; K562, Jurkat and Daudi cell lysates; Human fetal heart and kidney lysates; mouse heart, kidney, spleen lysates; rat brain, heart, spleen lysates; RAW 264.7, PC12, NIH/3T3 whole cell lysates. IHC-P: Human tonsils, mouse spleen and rat spleen tissue. IF, Flow, IP: K562 cells
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR16671-40

アイソタイプIgG

アプリケーション

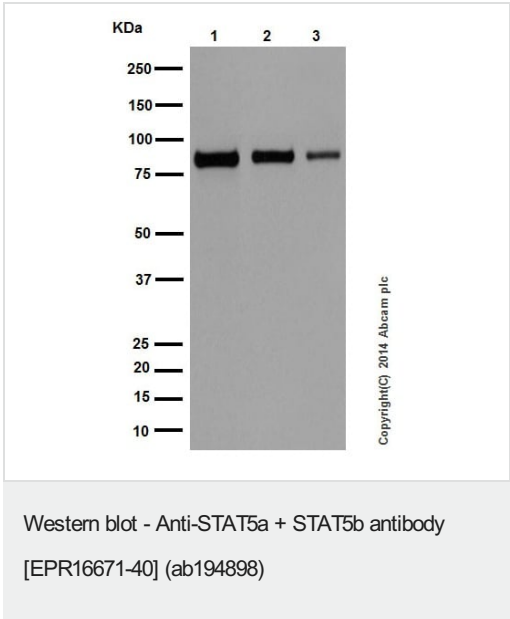
The Abpromise guarantee      Abpromise保証は、次のテスト済みアプリケーションにおけるab194898の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/80. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (2)	1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/2000. Detects a band of approximately 91 kDa (predicted molecular weight: 91 kDa).
ICC/IF		1/250.
IP		1/100.

ターゲット情報

細胞内局在      STAT5a: Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.  
STAT5b: Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

画像



**All lanes :** Anti-STAT5a + STAT5b antibody [EPR16671-40]  
(ab194898) at 1/20000 dilution

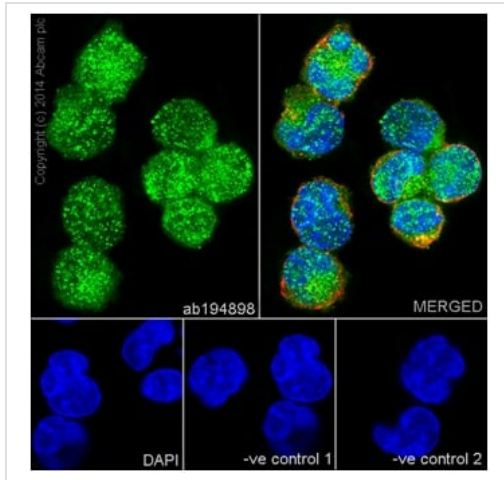
**Lane 1 :** K562 (Human chronic myelogenous leukemia cells from bone marrow) whole cell lysates  
**Lane 2 :** Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysates  
**Lane 3 :** Daudi (Human Burkitt's lymphoma cell line) whole cell lysates

Lysates/proteins at 20 µg per lane.

**Secondary**  
**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 91 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

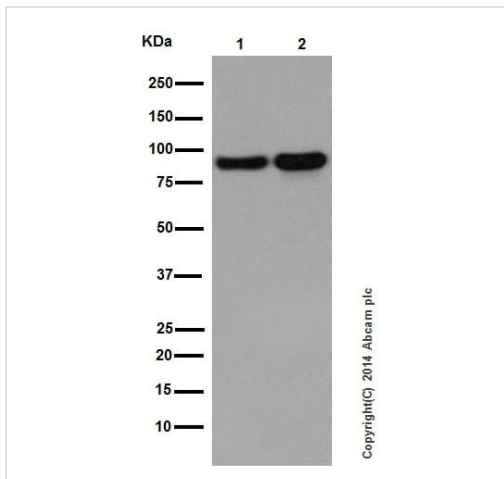


Immunocytochemistry/ Immunofluorescence - Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized K562 (Human chronic myelogenous leukemia cells from bone marrow) cells labeling STAT5a + STAT5b with ab194898 at 1/250 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/400 dilution (green). Confocal image showing both cytoplasmic and nuclear staining on K562 cell line. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/500 dilution and **ab150120** (AlexaFluor® 594 Goat anti-Mouse secondary) at 1/500 dilution (red).

The negative controls are as follows:

1. ab194898 at 1/250 dilution followed by **ab150120** (Alexa Fluor® 594 Goat anti-Mouse secondary) at 1/500 dilution.
2. **ab7291** (anti-Tubulin mouse mAb) at 1/500 dilution followed by **ab150077** (Alexa Fluor® 488 Goat Anti-Rabbit IgG H&L) at 1/400 dilution.



Western blot - Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898)

**All lanes :** Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898) at 1/2000 dilution

**Lane 1 :** Human fetal heart lysates

**Lane 2 :** Human fetal kidney lysates

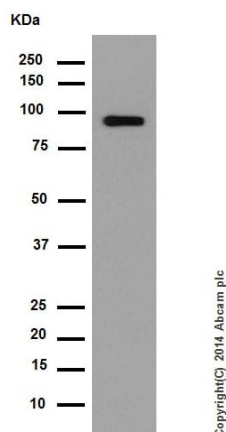
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 91 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-STAT5a + STAT5b antibody  
[EPR16671-40] (ab194898)

Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898) at  
1/1000 dilution + Human STAT5A full length recombinant protein at  
10 µg

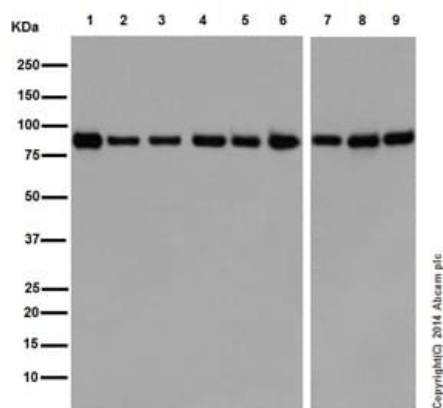
### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000  
dilution

**Predicted band size:** 91 kDa

Recombinant human C-terminal Myc/DDK tagged full length  
STAT5A from a commercial source.

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-STAT5a + STAT5b antibody  
[EPR16671-40] (ab194898)

**All lanes :** Anti-STAT5a + STAT5b antibody [EPR16671-40]  
(ab194898) at 1/2000 dilution

**Lane 1 :** mouse heart lysates

**Lane 2 :** mouse kidney lysates

**Lane 3 :** mouse spleen lysates

**Lane 4 :** rat brain lysates

**Lane 5 :** rat heart lysates

**Lane 6 :** rat spleen lysates

**Lane 7 :** RAW 264.7 (Mouse macrophage cells transformed with  
Abelson murine leukemia virus) whole cell lysates

**Lane 8 :** PC12 (Rat adrenal gland pheochromocytoma) whole cell  
lysates

**Lane 9 :** NIH3T3 (Mouse embryo fibroblast cells) whole cell lysates

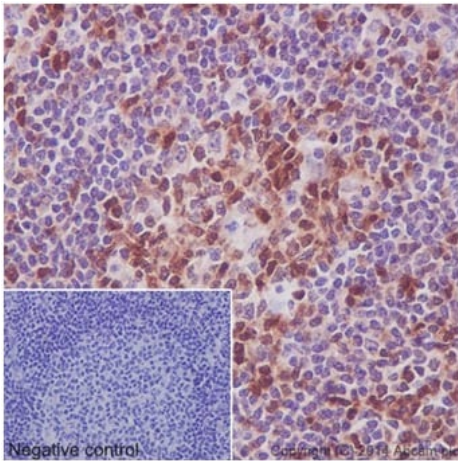
Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at  
1/1000 dilution

**Predicted band size:** 91 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

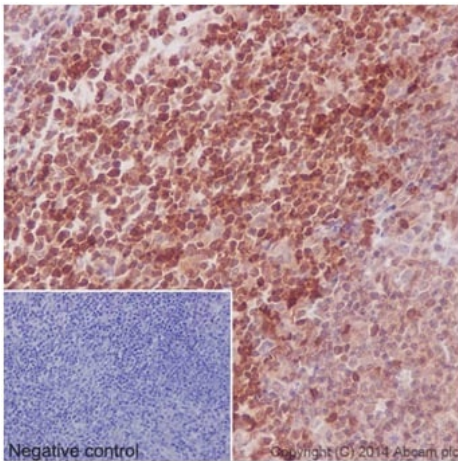


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue labeling STAT5a + STAT5b using ab194898 at 1/2000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 was used as secondary. Counter stained with Hematoxylin. Inset image: negative control obtained using PBS instead of ab194898.

Nuclear and weak cytoplasmic staining on lymphocytes of human tonsil is observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

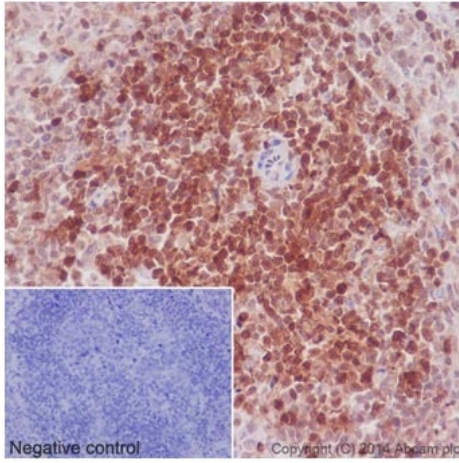


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling STAT5a + STAT5b using ab194898 at 1/2000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 was used as secondary. Counter stained with Hematoxylin. Inset image: negative control obtained using PBS instead of ab194898.

Nuclear and weak cytoplasmic staining on lymphocytes of mouse spleen is observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

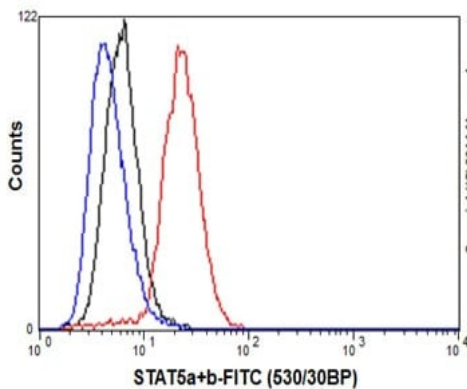


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898)

Immunohistochemical analysis of paraffin-embedded rat spleen tissue labeling STAT5a + STAT5b using ab194898 at 1/2000 dilution. A Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 was used as secondary. Counter stained with Hematoxylin. Inset image: negative control obtained using PBS instead of ab194898.

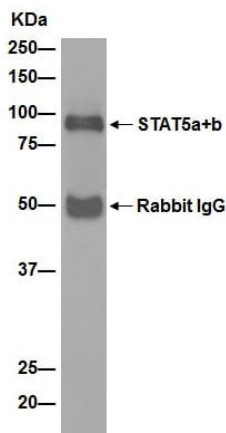
Nuclear and weak cytoplasmic staining on lymphocytes of rat spleen is observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898)

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed K562 (Human chronic myelogenous leukemia cells from bone marrow) cells labeling STAT5a + STAT5b with ab194898 at 1/80 dilution (red) compared with a rabbit monoclonal IgG isotype control (black) and a unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.

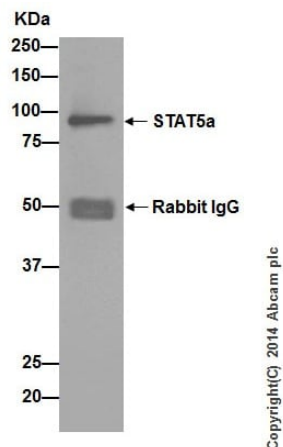


Immunoprecipitation - Anti-STAT5a + STAT5b antibody [EPR16671-40] (ab194898)

STAT5a and STAT5b were immunoprecipitated from 1mg of K562 (Human chronic myelogenous leukemia cells from bone marrow) cells with ab194898 at 1/100 dilution. Western blot was performed from the immunoprecipitate using ab194898 at 1/1000 dilution. Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated, was used as secondary antibody at 1/1000 dilution.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

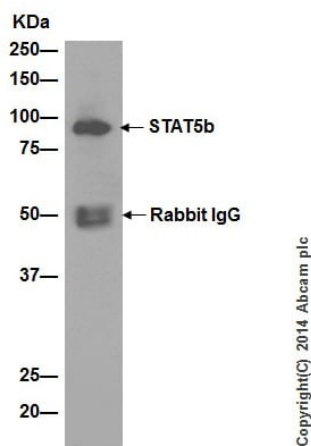




Immunoprecipitation - Anti-STAT5a + STAT5b  
antibody [EPR16671-40] (ab194898)

STAT5a + STAT5b were co-immunoprecipitated from 1mg of K562 (Human chronic myelogenous leukemia cells from bone marrow) cells with ab194898 at 1/100 dilution. Western blot was performed from the immunoprecipitate using [ab32043](#) (Rabbit monoclonal [E289] to STAT5a) at 1/1000 dilution. Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated, was used as secondary antibody at 1/1000 dilution.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.



Immunoprecipitation - Anti-STAT5a + STAT5b  
antibody [EPR16671-40] (ab194898)

STAT5a + STAT5b were co-immunoprecipitated from 1mg of K562 (Human chronic myelogenous leukemia cells from bone marrow) cells with ab194898 at 1/100 dilution. Western blot was performed from the immunoprecipitate using [ab178941](#) (Rabbit monoclonal [EPR16671] to STAT5b) at 1/1000 dilution. Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated, was used as secondary antibody at 1/1000 dilution.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-STAT5a + STAT5b antibody [EPR16671-40]  
(ab194898)

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