

Anti-STAT6 antibody [E265] ab32108

KO 評価済 リコンビナント RabMAb

3 References 画像数 6

製品の概要

製品名	Anti-STAT6 antibody [E265]
製品の詳細	Rabbit monoclonal [E265] to STAT6
由来種	Rabbit
特異性	ab32108 recognises Stat-6. It does not cross react with other STAT family members
アプリケーション	適用あり: WB, IP, Flow Cyt (Intra), ICC/IF 適用なし: IHC
種交差性	交差種: Human
免疫原	Synthetic peptide within Human STAT6 aa 800-900 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa and Raji cells. ICC/IF: Raji cells. Flow Cyt (intra): HeLa cells IP: HeLa cell lysates
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified

ポリ/モノ	モノクローナル
クローン名	E265
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ab32108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。

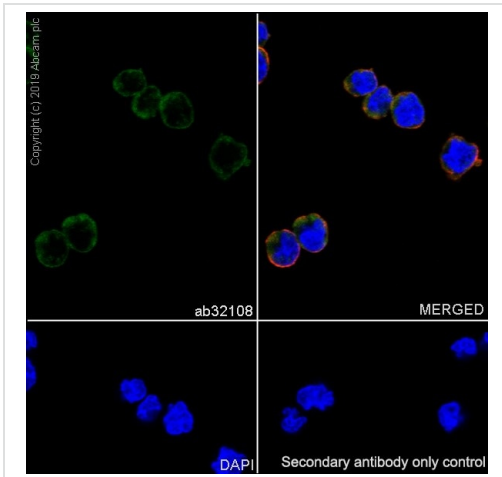
アプリケーション	Abreviews	特記事項
WB		1/5000. Detects a band of approximately 100 kDa (predicted molecular weight: 94 kDa).
IP		1/50.
Flow Cyt (Intra)		1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/250 - 1/500.

追加情報 Is unsuitable for IHC.

ターゲット情報

機能	Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.
配列類似性	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
翻訳後修飾	Tyrosine phosphorylated following stimulation by IL-4 and IL-3.
細胞内局在	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

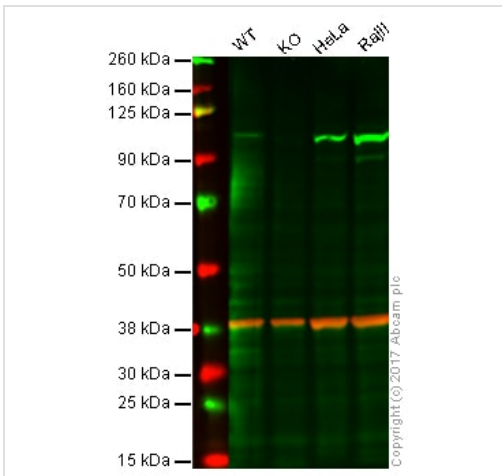
画像



Immunocytochemistry/ Immunofluorescence - Anti-STAT6 antibody [E265] (ab32108)

Confocal image showing cytoplasmic staining in Raji cells.

Immunocytochemistry/immunofluorescence analysis of Raji (human Burkitt's lymphoma B lymphocyte) cells labelling STAT6 with ab32108 at 10 µg/mL. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as a secondary antibody at 2 µg/mL. Cells were counterstained with **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) at 1/200 dilution (red). Nuclear DNA was labelled with DAPI (blue).



Western blot - Anti-STAT6 antibody [E265] (ab32108)

Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

Lane 2: STAT6 knockout HAP1 whole cell lysate (20 µg)

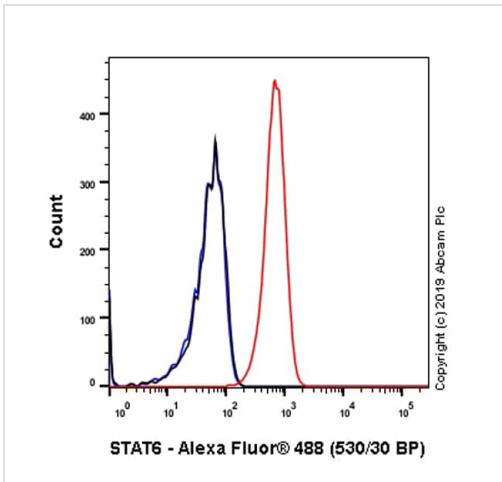
Lane 3: HeLa whole cell lysate (20 µg)

Lane 4: Raji whole cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab32108 observed at 94 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

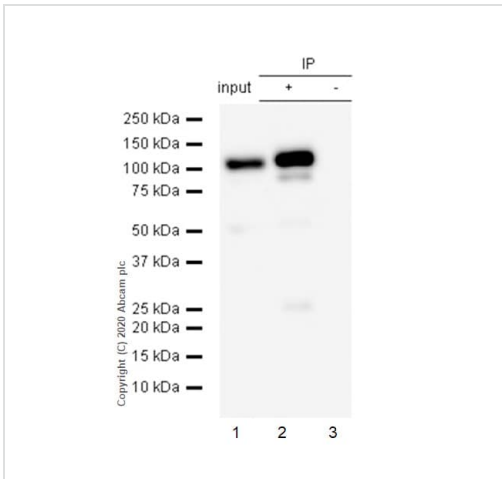
ab32108 was shown to specifically react with STAT6 in wild-type HAP1 cells as signal was lost in STAT6 knockout cells. Wild-type and STAT6 knockout samples were subjected to SDS-PAGE.

Ab32108 and **ab9484** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/5000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-STAT6 antibody [E265] (ab32108)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling STAT6 with purified ab32108 at 1/100 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cells without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-STAT6 antibody [E265] (ab32108)

Purified ab32108 at 1/50 dilution (2µg) immunoprecipitating STAT6 in HeLa whole cell lysate.

Lane 1 (input): HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10µg

Lane 2 (+): ab32108 + HeLa whole cell lysate.

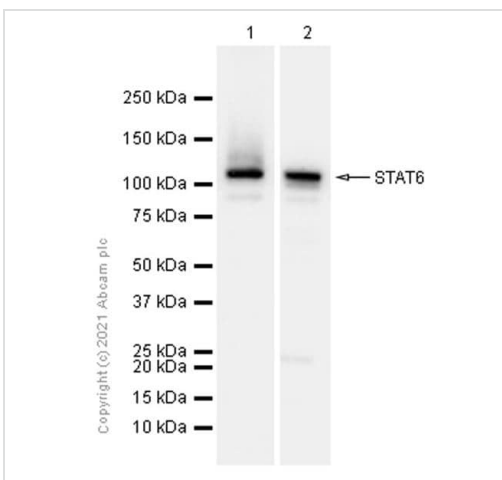
Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab32108 in HeLa whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 100 kDa



Western blot - Anti-STAT6 antibody [E265] (ab32108)

All lanes : Anti-STAT6 antibody [E265] (ab32108) at 1/10000 dilution

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 94 kDa

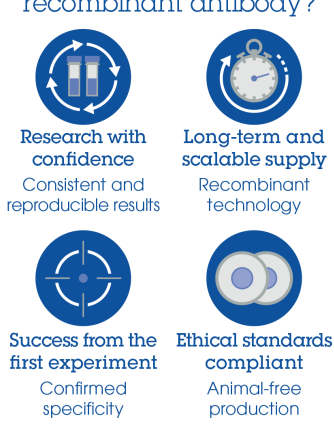
Observed band size: 110,81 kDa

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

Exposure time: Lane 1. 7 seconds ; Lane 2. 3 seconds

This antibody recognizes three isoforms of STAT6, isoform 1 (110kDa), isoform 3 (81kDa), which is consistent with the Uniprot annotation.

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-STAT6 antibody [E265] (ab32108)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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