

Anti-STAT5b (phospho S731) antibody ab52211

7 References [画像数 3](#)

製品の概要

製品名	Anti-STAT5b (phospho S731) antibody
製品の詳細	Rabbit polyclonal to STAT5b (phospho S731)
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-P
種交差性	交差種: Mouse, Human
免疫原	Synthetic peptide corresponding to Human STAT5b aa 650-750 (phospho S731). Database link: <u>P51692</u>
特記事項	<p>ab52211 detects endogenous levels of STAT5B but only when phosphorylated at serine 731 (human) or serine 730 (mouse and rat).</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
精製度	Without Mg+2 and Ca+2 Immunogen affinity purified
一次抗体 備考	ab52211 detects endogenous levels of STAT5B but only when phosphorylated at serine 731 (human) or serine 730 (mouse and rat).
ポリ/モノ	ポリクローナル

アイソタイプ

IgG

アプリケーション

The Abpromise guarantee

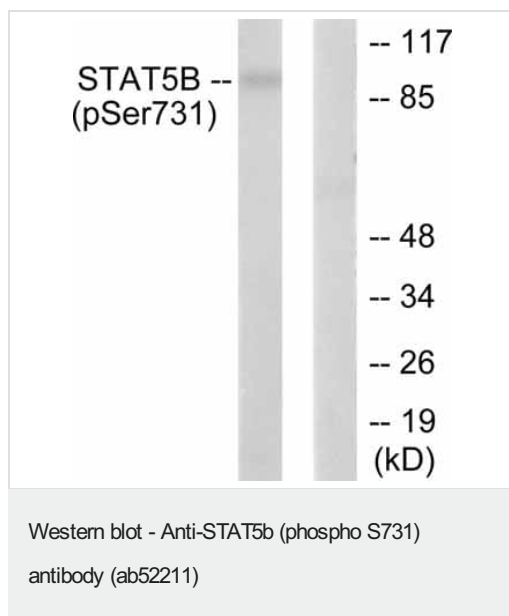
Abpromise保証は、次のテスト済みアプリケーションにおけるab52211の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 1 - 5 µg/ml.
WB		1/500 - 1/1000. Detects a band of approximately 90 kDa (predicted molecular weight: 90 kDa).
IHC-P		Use at an assay dependent concentration.

ターゲット情報

機能	Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription.
関連疾患	Growth hormone insensitivity with immunodeficiency
配列類似性	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
翻訳後修飾	Tyrosine phosphorylated in response to signaling via activated KIT, resulting in translocation to the nucleus. Tyrosine phosphorylated in response to signaling via activated FLT3; wild-type FLT3 results in much weaker phosphorylation than constitutively activated mutant FLT3. Alternatively, can be phosphorylated by JAK2. Phosphorylation at Tyr-699 by PTK6 or HCK leads to an increase of its transcriptional activity. Dephosphorylation on tyrosine residues by PTPN2 negatively regulates prolactin signaling pathway.
細胞内局在	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

画像

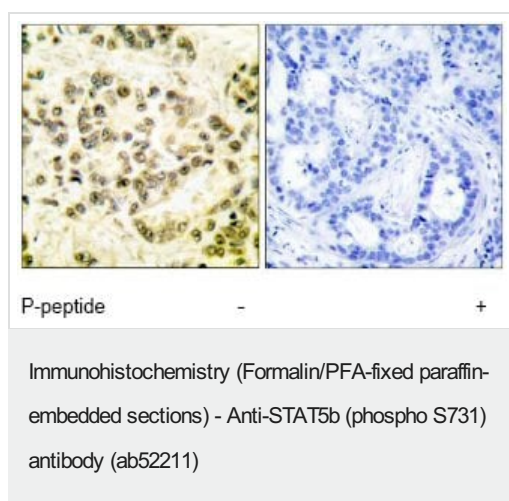


All lanes : Anti-STAT5b (phospho S731) antibody (ab52211) at 1/500 dilution

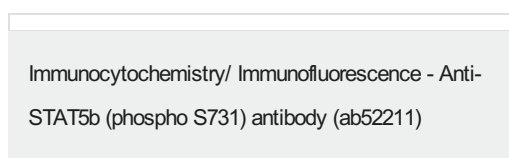
Lane 1 : Extracts from RAW264.7 cells treated with EGF (200ng/ml, 30min)

Lane 2 : Extracts from RAW264.7 cells treated with EGF (200ng/ml, 30min), ab52211 was pre-incubated with immunising (blocking) peptide

Predicted band size: 90 kDa



Paraffin-embedded human breast carcinoma tissue stained for STAT5b (phospho S731), using ab52211 (1/100). The right hand panel represents a negative control where ab52211 was pre-incubated with the immunising (blocking) peptide.



ICC/IF image of ab52211 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab52211, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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