

Product datasheet

Anti-STAT5b antibody ab76944

画像数 4

製品の概要

製品名	Anti-STAT5b antibody
製品の詳細	Mouse monoclonal to STAT5b
由来種	Mouse
アプリケーション	適用あり: WB, ELISA, ICC/IF
種交差性	交差種: Human
免疫原	GST-tagged recombinant full length Human protein (391aa, according to AAH20868)
ポジティブ・コントロール	ICC/IF: HeLa cells; WB: HeLa cell nuclear cell lysate.

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 or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None Constituents: 1X PBS, pH 7.2
精製度	Protein A purified
ポリ/モノ	モノクローナル
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab76944** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

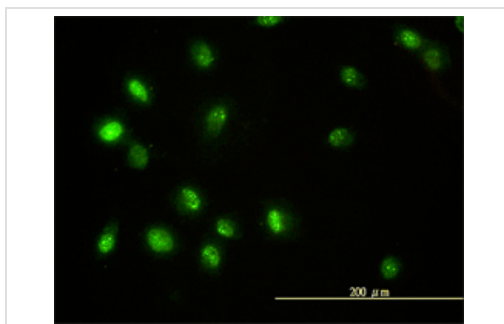
アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Predicted molecular weight: 90 kDa.
ELISA		Use at an assay dependent dilution.

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 10 µg/ml.

ターゲット情報

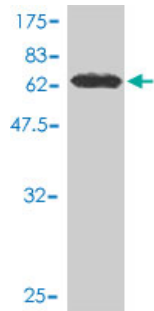
機能	Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription.
関連疾患	Growth hormone insensitivity with immunodeficiency
配列類似性	Belongs 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



Immunofluorescence analysis of HeLa cells using ab76944 at 10µg/ml.

Immunocytochemistry/ Immunofluorescence - STAT5b antibody (ab76944)



Western blot - STAT5b antibody (ab76944)

Anti-STAT5b antibody (ab76944) at 1/500 dilution + immunogen (GST-tagged 391aa recombinant full length human protein AAH20868) at 0.2 µg

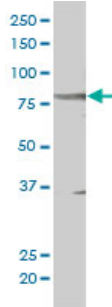
Secondary

Goat anti-Mouse IgG (H&L) HRP-conjugated at 1/5000 dilution

Predicted band size: 90 kDa

Observed band size: 69 kDa

MW of GST tag alone: 26 kDa



Western blot - STAT5b antibody (ab76944)

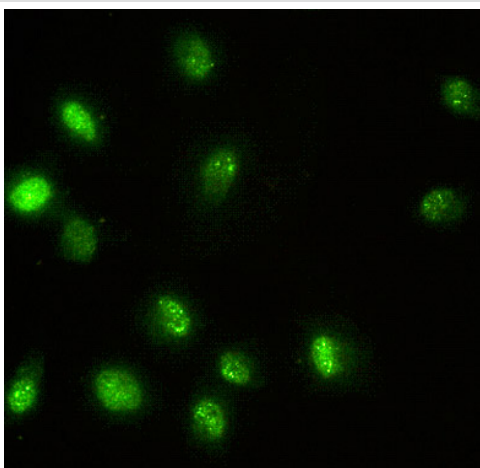
Anti-STAT5b antibody (ab76944) at 1/500 dilution + HeLa nuclear lysate at 25 µg

Secondary

Goat anti-Mouse IgG (H&L) HRP-conjugated at 1/2500 dilution

Predicted band size: 90 kDa

Observed band size: 80 kDa



Immunocytochemistry/ Immunofluorescence- STAT5b antibody(ab76944)

ab76944 at 10 µg/ml staining STAT5b in human Hella cells by Immunocytochemistry/ Immunofluorescence.

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