

Product datasheet

Anti-STAT5b antibody ab86273

4 Images

Overview

Product name	Anti-STAT5b antibody
Description	Rabbit polyclonal to STAT5b
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Sheep, Cow, Dog, Pig
Immunogen	Synthetic peptide corresponding to a region within the N terminal amino acids 179-228 (LRIQAQFGPLAQLSPQERLSRETALQKQVVSLEAWLQREAQTLQQYRVE L) of Human STAT5b (NP_036580).
Positive control	Transfected 293T cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: 2% Sucrose, PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab86273** in the following tested applications.

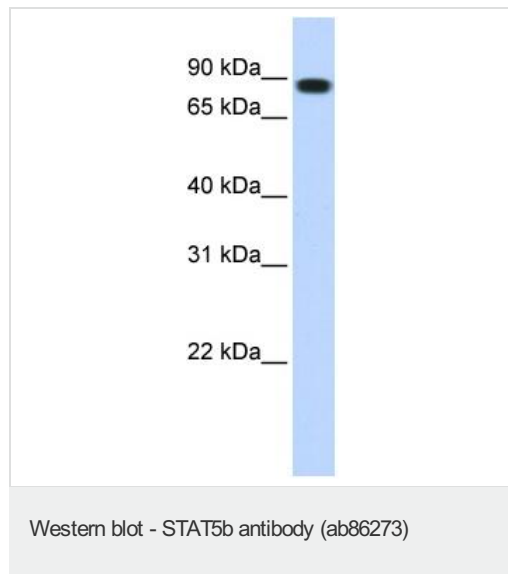
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 90 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	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.
Involvement in disease	Growth hormone insensitivity with immunodeficiency
Sequence similarities	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
Post-translational modifications	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.
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



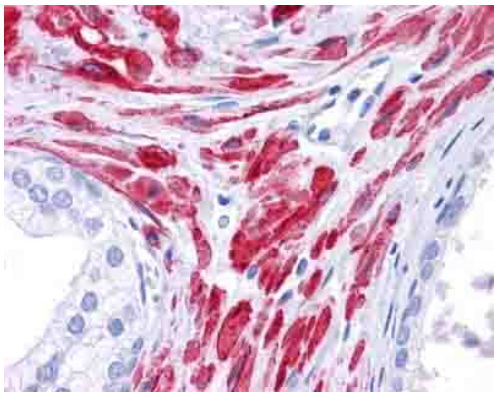
Anti-STAT5b antibody (ab86273) at 1 µg/ml
(5% skim milk/ PBS buffer) + transfected 293T
cell lysate at 10 µg with gel concentration:
12%

Secondary

HRP conjugated anti-Rabbit IgG at 1/50000
dilution

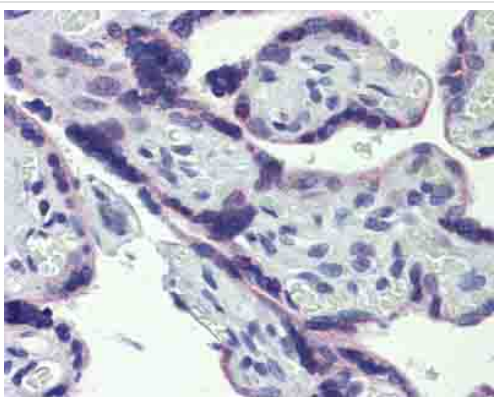
Predicted band size : 90 kDa

Observed band size : 90 kDa



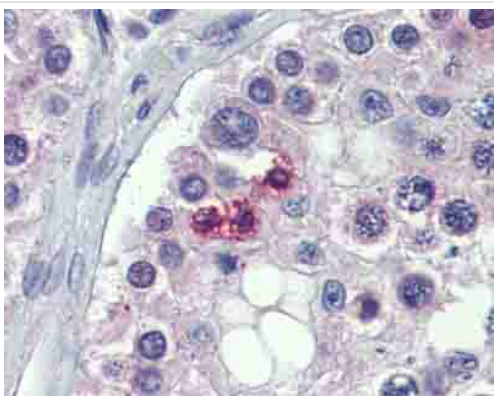
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5b antibody (ab86273)

ab86273 staining STAT5b in placenta tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5b antibody (ab86273)

ab86273 staining STAT5b in prostate tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAT5b antibody (ab86273)

ab86273 staining STAT5b in testis tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

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