


Product datasheet

Anti-STAT5α antibody ab31377

2 Images

Overview

Product name	Anti-STAT5a antibody
Description	Rabbit polyclonal to STAT5a
Specificity	ab31377 detects endogenous levels of STAT5A protein around Tyrosine 694.
Tested applications	Suitable for: ELISA, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthesized non-phosphopeptide derived from human STAT5A around the phosphorylation site of Tyrosine 694.
Positive control	HeLa cell lysate, Breast carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS[without Calcium and Magnesium ions], 150mM Sodium chloride, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab31377** in the following tested applications.

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

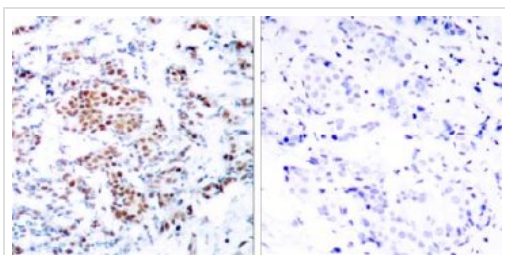
Application	Abreviews	Notes
ELISA		1/10000.
WB		1/500 - 1/1000. Predicted molecular weight: 91 kDa.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.

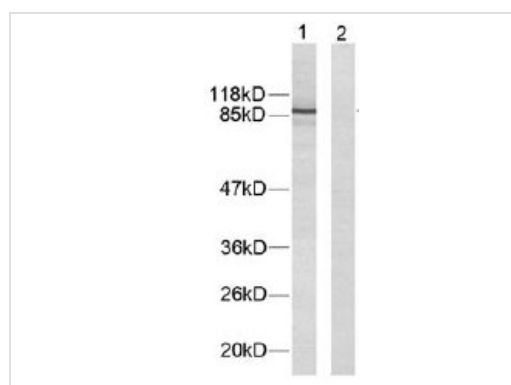
Target

Function	Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.
Sequence similarities	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
Post-translational modifications	Tyrosine phosphorylated in response to IL-2, IL-3, IL-7, IL-15, GM-CSF, growth hormone, prolactin, erythropoietin and thrombopoietin. Tyrosine phosphorylation is required for DNA-binding activity and dimerization. Serine phosphorylation is also required for maximal transcriptional activity.
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



Immunohistochemistry (Paraffin-embedded sections)
- STAT5a antibody (ab31377)



Western blot - STAT5a antibody (ab31377)

Lane 1 : Anti-STAT5a antibody (ab31377) at 1/500 dilution

Lane 2 : Anti-STAT5a antibody (ab31377) at 1/500 dilution (preincubated with synthesized peptide)

Lane 1 : HeLa cell extract.

Lane 2 : HeLa cell extract.

Predicted band size : 91 kDa

Observed band size : 89 kDa

Additional bands at : 83 kDa. We are

unsure as to the identity of these extra bands.

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