Product datasheet

Anti-STAT6 antibody ab44718

Overview

Product name  Anti-STAT6 antibody
Description  Rabbit polyclonal to STAT6
Host species  Rabbit
Tested applications  Suitable for: ICC/IF, IHC-Fr, ICC, WB, IP, IHC-P
Species reactivity  Reacts with: Mouse, Rat, Human
Immunogen  Synthetic peptide corresponding to Human STAT6 (C terminal).
Positive control  Jurkat cells. Tonsil or Placenta.

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer  pH: 7.40
Preservative: 0.1% Sodium azide
Constituent: 0.01% PBS
Purity  Protein G purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab44718 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td>★★★★★★</td>
<td>Use at an assay dependent concentration. See Abreview.</td>
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<tr>
<td>IHC-Fr</td>
<td>★★★★★★</td>
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Function
Carries out a dual function: signal transduction and activation of transcription. Involved in interleukin-4 signalling.

Sequence similarities
Belongs to the transcription factor STAT family.
Contains 1 SH2 domain.

Post-translational modifications
Tyrosine phosphorylated following stimulation by IL-4 and IL-3.

Cellular localization
Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

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<td>ICC</td>
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<tr>
<td>WB</td>
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<td>1/200. Detects a band of approximately 100 kDa (predicted molecular weight: 94 kDa).</td>
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<td>IP</td>
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<td>1/400.</td>
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<tr>
<td>IHC-P</td>
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<td>1/400.</td>
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Images
ab44718 staining STAT6 in human stomach tissue sections by Immunohistochemistry (frozen sections). Tissue was fixed with acetone and then blocked with 5% serum for 1 hour at 23°C followed by incubation with the primary antibody at a 1/200 dilution for 1 hour at 23°C. An undiluted HRP-conjugated goat polyclonal was used as secondary antibody.
ab44718 staining STAT6 in human AGS gastric carcinoma cells by Immunocytochemistry/Immunofluorescence. The cells were formaldehyde fixed, permeabilised in 0.025% Triton X in TBS and then blocked using 5% serum for 1 hour at 23°C. Samples were then incubated with primary antibody at 1/200 for 1 hour at 23°C. The secondary antibody used was a goat anti-rabbit IgG conjugated to Alexa Fluor® 568 (green) used at a 1/500 dilution.

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