


### Anti-IL-3RB (phospho Y593) antibody ab53695

2 Images

#### Overview

<b>Product name</b>	Anti-IL-3RB (phospho Y593) antibody
<b>Description</b>	Rabbit polyclonal to IL-3RB (phospho Y593)
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab53695 detects endogenous levels of IL3RB only when phosphorylated at tyrosine 593.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide corresponding to Human IL-3RB aa 550-650 (phospho Y593). Database link: <a href="#">P32927</a>
<b>Positive control</b>	Human brain tissue and RAW264.7 cell extracts treated with G-CSF (25ng/ml, 15mins).
<b>General notes</b>	<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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab53695 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab53695 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		1/50 - 1/100. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
WB		1/500 - 1/1000. Predicted molecular weight: 97 kDa.

## Target

### Function

High affinity receptor for interleukin-3, interleukin-5 and granulocyte-macrophage colony-stimulating factor.

### Sequence similarities

Belongs to the type I cytokine receptor family. Type 4 subfamily.  
Contains 2 fibronectin type-III domains.

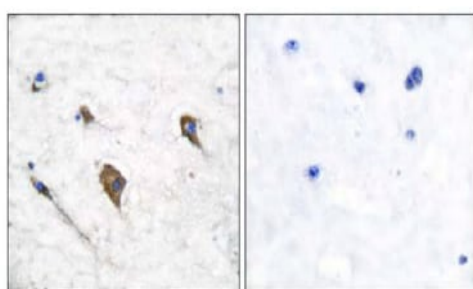
### Domain

The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.  
The box 1 motif is required for JAK interaction and/or activation.

### Cellular localization

Membrane.

## Images



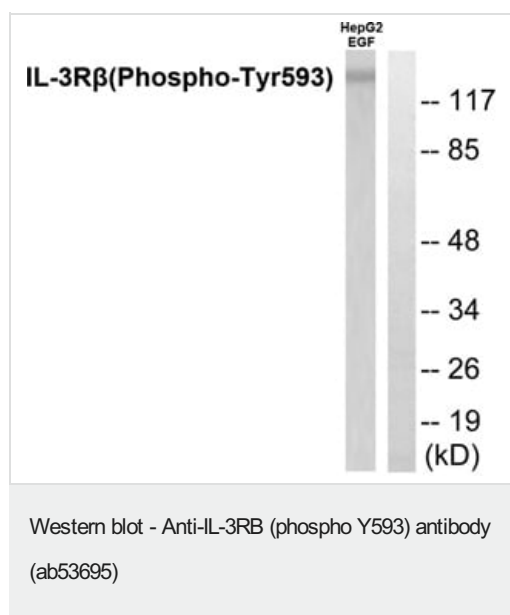
P-peptide

-

+

ab53695 at 1/50 dilution staining IL3RB in human brain by Immunohistochemistry, Paraffin embedded tissue, in the absence or presence of the immunising peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-3RB (phospho Y593) antibody (ab53695)



**All lanes :** Anti-IL-3RB (phospho Y593) antibody (ab53695)

**Lane 1 :** HepG2 cells treated with EGF (200ng/ml, 15 minutes)

**Lane 2 :** HepG2 cells treated with EGF (200ng/ml, 15 minutes) with blocking phosphopeptide

**Predicted band size:** 97 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors