

## Product datasheet

### Anti-EBI3 antibody ab83896

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#### Overview

<b>Product name</b>	Anti-EBI3 antibody
<b>Description</b>	Rabbit polyclonal to EBI3
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	16 amino acid synthetic peptide corresponding to an internal sequence of Human EBI3
<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 +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab83896 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
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 30 kDa (predicted molecular weight: 25 kDa).
IHC-P		Use a concentration of 2.5 µg/ml.

## Target

### Function

Associates with IL27 to form the IL-27 interleukin, a heterodimeric cytokine which functions in innate immunity. IL-27 has pro- and anti-inflammatory properties, that can regulate T-helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune cells. Among its target cells are CD4 T-helper cells which can differentiate in type 1 effector cells (TH1), type 2 effector cells (TH2) and IL17 producing helper T-cells (TH17). It drives rapid clonal expansion of naive but not memory CD4 T-cells. It also strongly synergizes with IL-12 to trigger interferon-gamma/IFN-gamma production of naive CD4 T-cells, binds to the cytokine receptor WSX-1/TCCR. Another important role of IL-27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines.

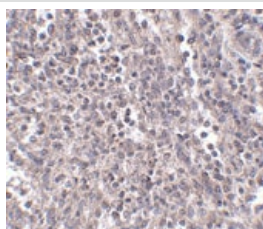
### Sequence similarities

Belongs to the type I cytokine receptor family. Type 3 subfamily.  
Contains 2 fibronectin type-III domains.

### Cellular localization

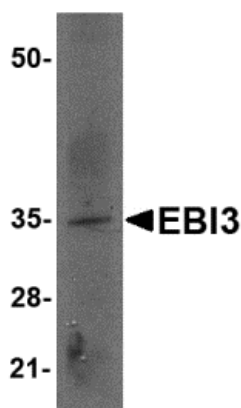
Secreted.

## Images



ab83896 at 2.5µg/ml staining EBI3 in human spleen tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EBI3 antibody (ab83896)



Western blot - Anti-EBI3 antibody (ab83896)

Anti-EBI3 antibody (ab83896) at 2 µg/ml + Rat spleen tissue lysate at 15 µg

#### Secondary

Goat anti-rabbit IgG (HRP) at 1/10000 dilution

**Predicted band size:** 25 kDa

**Observed band size:** 35 kDa

**Diluting buffer:** 5% NFDM/TBST.

Immunocytochemistry/ Immunofluorescence - Anti-EBI3 antibody (ab83896)

Immunofluorescence of EBI3 in Human Spleen cells using ab83896 at 20 µg/ml.

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

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