

Anti-EBI3 antibody [EPR23372-282] ab272709

Recombinant RabMAb

6 Images

Overview

Product name	Anti-EBI3 antibody [EPR23372-282]
Description	Rabbit monoclonal [EPR23372-282] to EBI3
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human placenta lysate. His-tagged recombinant human EBI3 protein. IHC-P: Human placenta, tonsil and Human colon carcinoma tissues.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23372-282

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab272709 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
WB		1/1000. Predicted molecular weight: 25 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Application notes

Is unsuitable for Flow Cyt, ICC/IF or IP.

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.

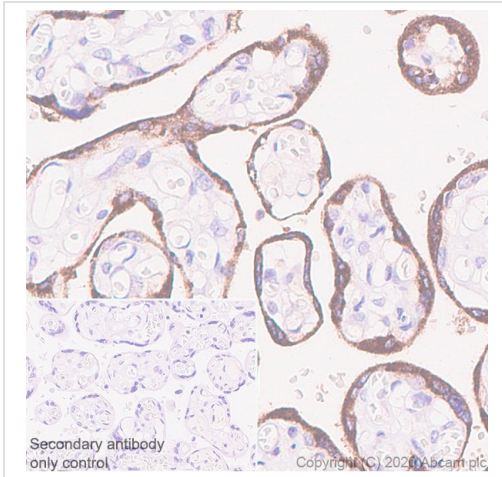
Sequence similarities

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

Cellular localization

Secreted.

Images

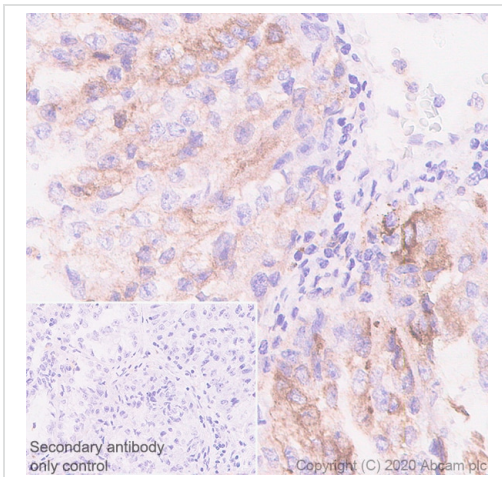


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EB13 antibody [EPR23372-282] (ab272709)

Immunohistochemical analysis of paraffin-embedded Human placenta tissue labeling EB13 with ab272709 at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in human placenta (PMID: 21849417). The section was incubated with ab272709 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins

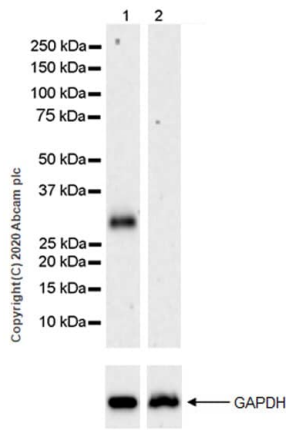


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EB13 antibody [EPR23372-282] (ab272709)

Immunohistochemical analysis of paraffin-embedded Human colon carcinoma tissue labeling EB13 with ab272709 at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining in human colon carcinoma (PMID: 24040445). The section was incubated with ab272709 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins



Western blot - Anti-EBI3 antibody [EPR23372-282] (ab272709)

All lanes : Anti-EBI3 antibody [EPR23372-282] (ab272709) at 1/1000 dilution

Lane 1 : Human placenta tissue lysate

Lane 2 : Human heart tissue lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/20000 dilution

Predicted band size: 25 kDa

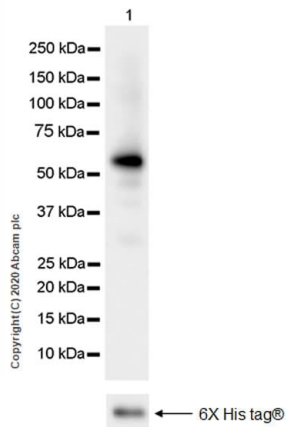
Observed band size: 29 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST

The expression profile observed is consistent with what has been described in the literature (PMID: 8551575).

Negative control: Human heart (PMID:8551575).

Exposure time: 3 minutes



Western blot - Anti-EBI3 antibody [EPR23372-282] (ab272709)

Anti-EBI3 antibody [EPR23372-282] (ab272709) at 1/1000 dilution + His-tagged recombinant human EBI3 protein at 10 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/20000 dilution

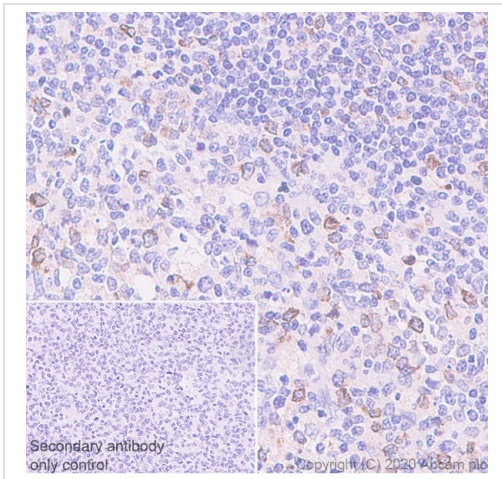
Predicted band size: 25 kDa

Observed band size: 56 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST

The recombinant human IL27 complex (IL27B & IL27A) consists of 450 amino acids after removal of the signal peptide and has a calculated molecular mass of 56 KDa as estimated in SDS-PAGE under reducing conditions.

Exposure time: 7 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EB13 antibody [EPR23372-282] (ab272709)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling EB13 with ab272709 at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on scattered cells in human tonsil (PMID: 16639698). The section was incubated with ab272709 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-EB13 antibody [EPR23372-282] (ab272709)

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

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