

## Product datasheet

# Anti-IL-17A antibody ab79056

★★★★☆ 14 Abreviews 112 References 8 Images

### Overview

<b>Product name</b>	Anti-IL-17A antibody
<b>Description</b>	Rabbit polyclonal to IL-17A
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human IL-17A (internal sequence). ab79056 was raised against a 16 amino acid synthetic peptide from within amino acids 50-100 of human IL-17. Database link: <a href="#">Q16552</a> (Peptide available as <a href="#">ab190773</a> )

### Positive control

[Purchase matching WB positive control:  
Recombinant Human IL-17A protein >](#)

IHC-P: lymphoid nodules

### General notes

The blocking peptide is available as [ab190773](#)

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.

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&As

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
<b>Purity</b>	Immunogen affinity purified

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

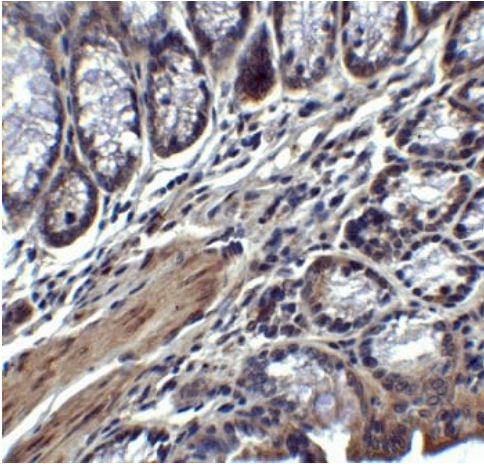
**The Abpromise guarantee** Our [Abpromise guarantee](#) covers the use of ab79056 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (1)	Use a concentration of 5 - 20 µg/ml.
IHC-P	★★★★★ (9)	Use a concentration of 2 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★★ (2)	Use a concentration of 0.125 - 0.5 µg/ml. Detects a band of approximately 18 kDa (predicted molecular weight: 18 kDa). Can be blocked with <a href="#">IL-17A peptide (ab190773)</a> .

## Target

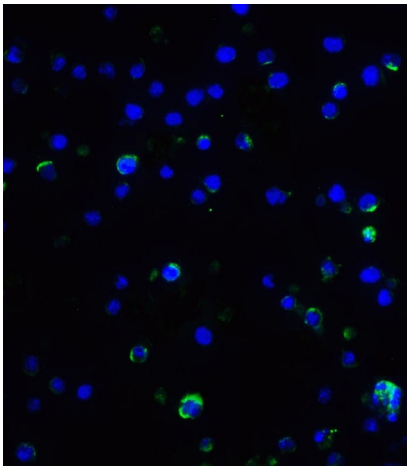
<b>Function</b>	Induces stromal cells to produce proinflammatory and hematopoietic cytokines. Enhances the surface expression of the intracellular adhesion molecule-1 (ICAM-1) in fibroblasts.
<b>Tissue specificity</b>	Restricted to activated memory T-cells.
<b>Sequence similarities</b>	Belongs to the IL-17 family.
<b>Post-translational modifications</b>	Found both in glycosylated and nonglycosylated forms.
<b>Cellular localization</b>	Secreted.

## Images



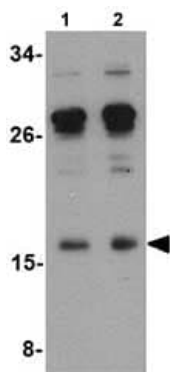
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-17A antibody (ab79056)

Immunohistochemical analysis of paraffin-embedded Mouse Colon Tissue using ab79056 at 2 µg/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunocytochemistry/ Immunofluorescence - Anti-IL-17A antibody (ab79056)

Immunocytochemistry/Immunofluorescence analysis of A-20 (mouse reticulum sarcoma cell line) cells labelling IL-17A with purified ab79056 at 5 µg/mL. Cells were fixed with 4% paraformaldehyde. A goat anti-rabbit IgG (1/500) was used as the secondary antibody (green). Nuclei counterstained with DAPI (blue).



Western blot - Anti-IL-17A antibody (ab79056)

**Lane 1 :** Anti-IL-17A antibody (ab79056) at 0.5 µg/ml

**Lane 2 :** Anti-IL-17A antibody (ab79056) at 1 µg/ml

**All lanes :** A-20 cell lysate

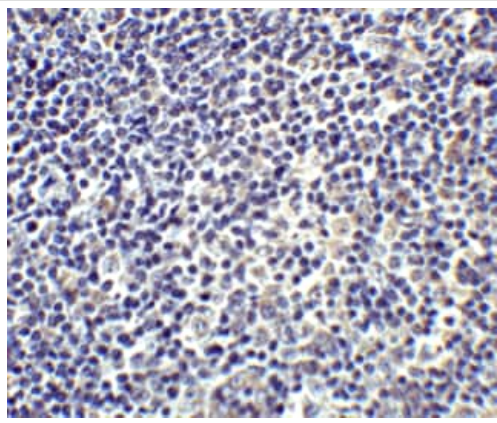
Lysates/proteins at 15 µg per lane.

**Predicted band size:** 18 kDa

**Observed band size:** 18 kDa

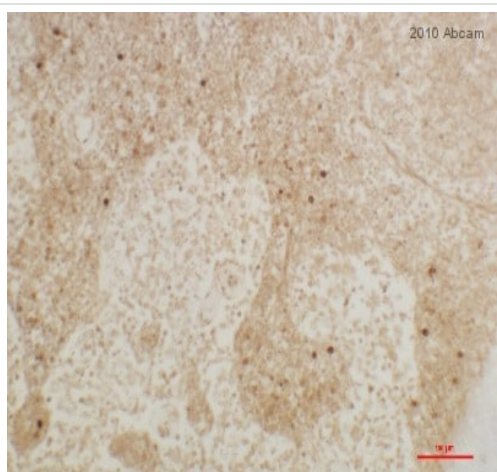
**Additional bands at:** 22 kDa, 28 kDa, 32 kDa. We are unsure as to the identity of these extra bands.

The higher molecular weight bands seen in the Western blot may represent glycosylated IL-17A.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-17A antibody (ab79056)

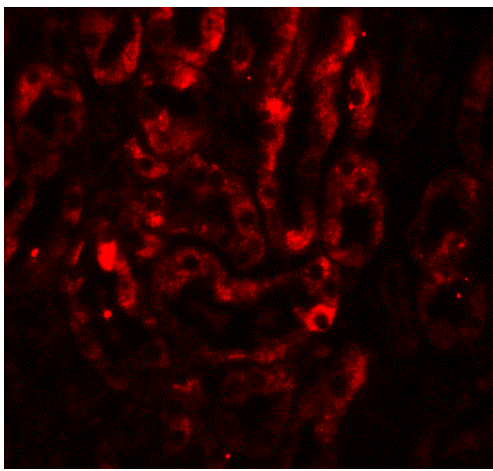
Immunohistochemical analysis of paraffin-embedded Human Tonsil Tissue using ab79056 at 5 µg/mL. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-17A antibody (ab79056)

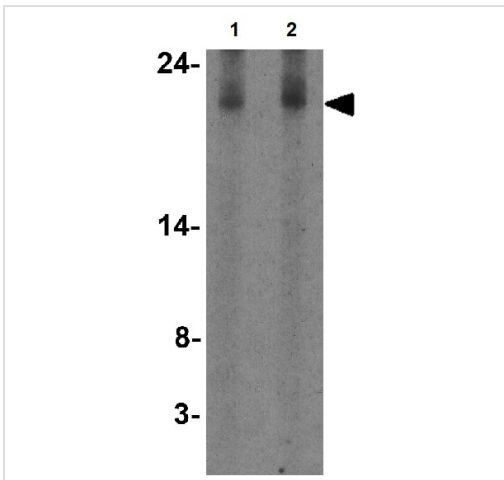
This image is courtesy of an Abreview submitted by Claudia Zizzadoro

ab79056 staining IL-17A in Dog lymph node tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde, permeabilized with Tween-20 (0.05%) and blocked with 10% serum for 2 hours at 24°C; antigen retrieval was by heat mediation with citrate buffer (0.01M). Samples were incubated with primary antibody (1/100 in PBS +10% serum) for 14 hours at 4°C. A Biotin-conjugated Horse pan-specific anti-IgG polyclonal (1/20) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-17A antibody (ab79056)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse thymus tissue staining IL-17A with ab79056 at 20µg/ml. Goat anti-rabbit IgG (1/500) was used as the secondary antibody (red).



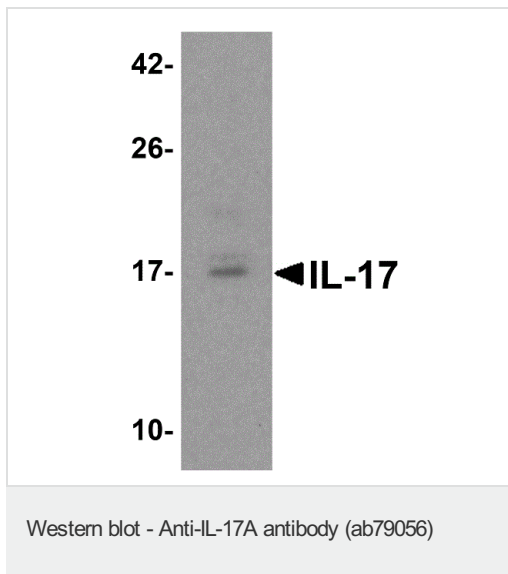
Western blot - Anti-IL-17A antibody (ab79056)

**All lanes :** Anti-IL-17A antibody (ab79056)

**Lane 1 :** human thymus tissue lysate at 1 µg/ml

**Lane 2 :** human thymus tissue lysate at 2 µg/ml

**Predicted band size:** 18 kDa



Anti-IL-17A antibody (ab79056) at 1 µg/ml + Recombinant human IL-17 at 0.001 µg

**Predicted band size:** 18 kDa

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

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