Product datasheet

Anti-IL-17 antibody ab79056

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Overview

Product name: Anti-IL-17 antibody
Description: Rabbit polyclonal to IL-17
Host species: Rabbit
Tested applications: Suitable for: ICC/IF, IHC-P, WB, ELISA, IHC-Fr
Species reactivity: Reacts with: Mouse, Dog, Human
Immunogen: Synthetic peptide corresponding to Human IL-17 (internal sequence). ab79056 was raised against a 19 amino acid synthetic peptide from near the center of human IL-17A. Database link: Q16552 (Peptide available as ab190733)

Positive control

Purchase matching WB positive control: Recombinant Human IL-17 protein>
WB: A-20 cell lysate; Human thymus tissue lysate. IHC-P: Human tonsil tissue; Dog lymph node tissue.

General notes

The blocking peptide is available as ab190773

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. Avoid freeze / thaw cycle. Stable for 12 months at -20°C.
Storage buffer: Preservative: 0.02% Sodium azide
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab79056 in the following tested applications.
Function
Ligand for IL17RA and IL17RC (PubMed:17911633). The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC (PubMed:18684971). Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines (PubMed:8676080).

Tissue specificity
Restricted to activated memory T-cells.

Sequence similarities
Belongs to the IL-17 family.

Post-translational modifications
Found both in glycosylated and nonglycosylated forms.

Cellular localization
Secreted.

Application | Abreviews | Notes |
---|---|---|
ICC/IF | | Use at an assay dependent concentration. |
IHC-P | | Use at an assay dependent concentration. |
WB | | Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 18 kDa (predicted molecular weight: 18 kDa). |
ELISA | | Use at an assay dependent concentration. |
IHC-Fr | | Use at an assay dependent concentration. |

Target

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of mouse thymus tissue staining IL-17 with ab79056 at 20µg/ml

Images

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-17 antibody (ab79056)
Paraffin-embedded human tonsil tissue stained for IL-17 using ab79056 at 5 µg/ml in immunohistochemical analysis.

Paraffin embedded mouse colon tissue staining IL-17 using ab79056 at 2µg/ml by Immunohistochemistry.

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

**Predicted band size:** 18 kDa
ab79056 staining IL-17 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.

Lane 1: Anti-IL-17 antibody (ab79056) at 0.5 µg/ml  
Lane 2: Anti-IL-17 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-17.

All lanes: Anti-IL-17 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
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