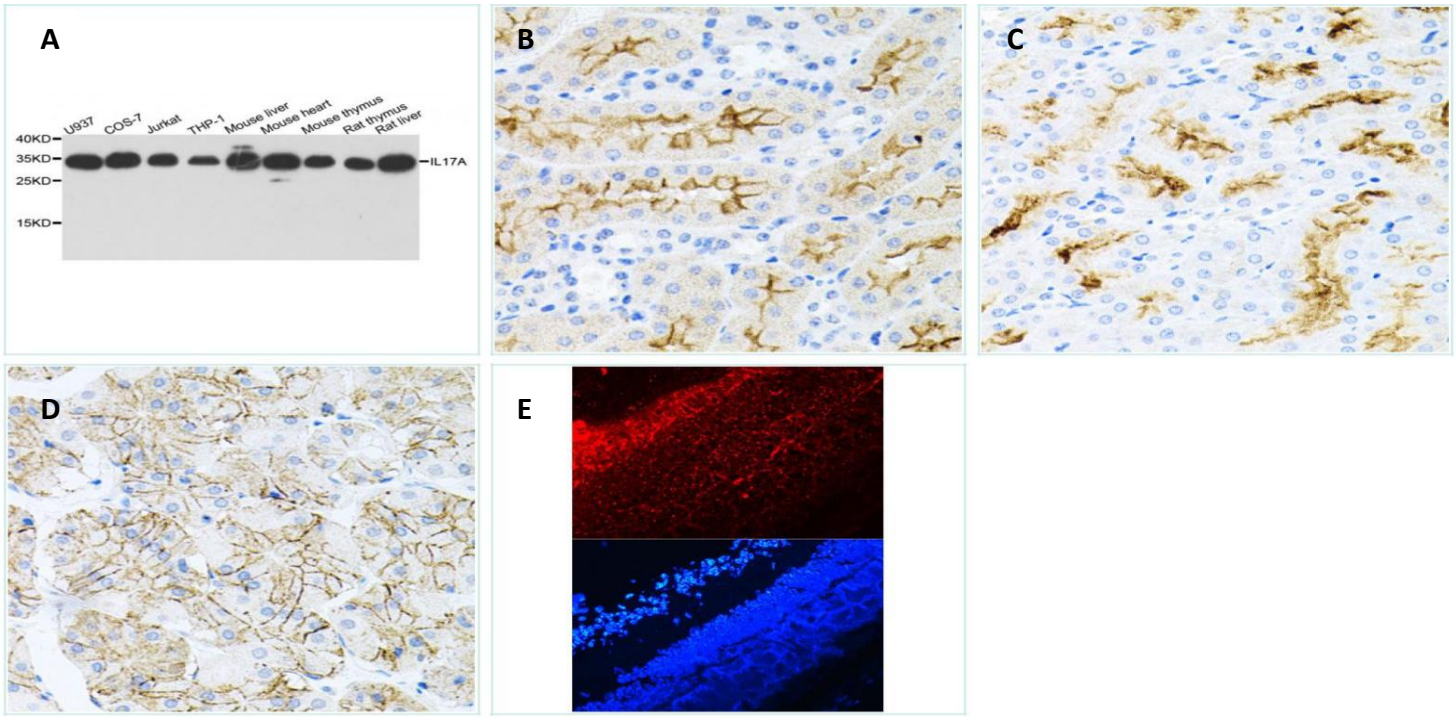


Anti-IL17A antibody

Cat # NB-22-19265



A- Western blot analysis of extract of various cells, using IL17A antibody.

B- Immunohistochemistry of paraffin-embedded mouse kidney using IL17A antibody at dilution of 1:100 (x40 lens).

C- Immunohistochemistry of paraffin-embedded rat kidney using IL17A antibody at dilution of 1:100 (x40 lens).

D- Immunohistochemistry of paraffin-embedded human stomach using IL17A antibody at dilution of 1:100 (x40 lens).

E- Immunofluorescence analysis of mouse eyeball using IL17A antibody.

Description

IL-17A is a cystine-linked homodimeric pro-inflammatory cytokine produced by Th17 cells, a distinct CD4⁺ T cell lineage (1,2). IL-17A stimulates the production of the pro-inflammatory cytokines IL-1 β , TNF- α , and IL-6. IL-17A also induces production of the neutrophil chemoattractants IL-8, CXCL1, and CXCL6 thereby bridging adaptive and innate immunity (1,2). IL-17A is intimately involved in mucosal immunity against bacterial infections (1,3) and has a putative role in some autoimmune disorders (1,4). IL-17A effects appear to be exerted primarily through binding to the IL-17RA (5). IL-17A binding induces production of cytokines, chemokines and other proteins through activation of the Erk1/2 MAP kinase, PI3K/Akt, p38, and NF- κ B pathways (3,4, 6). Phosphorylation of some Jaks and Stats has been observed.

Product Information

Code	NB-22-19265
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB, IHC, IF
Immunogen	Recombinant protein of human IL17A
Gene ID	8809
Dilution range	WB 1:200-1:500; IHC 1:50-1:200; IF 1:20-1:50
Purification	Affinity purification
Note	For research use only.
Protein Name	IL17A - Interleukin-17A precursor - Homo sapiens (Human) - IL17A protein
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.4
Molecular Weight	N/A
Concentration	1 mg/ml
Storage Instruction	Store at -20°C. Avoid repeated freeze/thaw cycles.

Target

Database Links	Human Uniprot/Swiss-Prot: Q14116 ; Human Entrez Gene: 3606 ; Mouse Uniprot/Swiss-Prot: P70380 ;
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Mouse Entrez Gene: [16173](#);
Rat Uniprot-Swiss-Prot: [P97636](#);
Rat Entrez Gene: [29197](#)

Alternative names IL17A / interleukin 17A / AS27_12637 antibody, AS28_01600 antibody, CB1_025522014 antibody, ChIL-17 antibody, CtlA8 antibody, CtlA-8 antibody, cytotoxic T-lymphocyte-associated antigen 8 antibody, cytotoxic T-lymphocyte-associated protein 8 antibody, D623_10007830 antibody, EGK_15006 antibody, EH28_24512antibody, H920_08208 antibody, hypothetical protein antibody, IL17 antibody, IL-17 antibody, IL-17A antibody,IL17F antibody, IL-17F antibody, IL-17 protein antibody, interleukin 17 antibody, interleukin-17 antibody, interleukin 17 A antibody, Interleukin-17A antibody, interleukin-17A-like protein antibody, Interleukin 17 (cytotoxicT-lymphocyte-associated serine esterase 8) antibody, interleukin 17F antibody, Interleukin-17F antibody,M91_11390 antibody, M959_15263 antibody, MDA_GLEAN10014959 antibody, N300_02174 antibody,N301_07848 antibody, N302_01979 antibody, N305_01435 antibody, N306_11910 antibody, N307_13392antibody, N308_13530 antibody, N321_14202 antibody, N333_04039 antibody, PAL_GLEAN10025328 antibody,PANDA_003451 antibody, TREES_T100004821 antibody, Y1Q_018822 antibody, Y956_03744 antibody,Z169_13803 antibody

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 and Domain Family Belongs to the IL-17 family.

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

Cellular Localization Secreted

For reference only

For Research Use Only. Not for Diagnostic or Therapeutic Use.