

Anti-IL-31RA Antibody
Rabbit polyclonal antibody to IL-31RA
Catalog # AP59896

Specification

Anti-IL-31RA Antibody - Product Information

Application	WB
Primary Accession	O8NI17
Other Accession	O8K5B1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82954

Anti-IL-31RA Antibody - Additional Information

Gene ID 133396

Other Names

CRL3; GPL; Interleukin-31 receptor subunit alpha; IL-31 receptor subunit alpha; IL-31R subunit alpha; IL-31R-alpha; IL-31RA; Cytokine receptor-like 3; GLM-R; hGLM-R; Gp130-like monocyte receptor; Gp130-like receptor; ZcytoR17

Target/Specificity

Recognizes endogenous levels of IL-31RA protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-IL-31RA Antibody - Protein Information

Name IL31RA

Synonyms CRL3, GPL

Function

Associates with OSMR to form the interleukin-31 receptor which activates STAT3 and to a lower extent STAT1 and STAT5 (PubMed: [11877449](http://www.uniprot.org/citations/11877449) target="_blank">11877449, PubMed: [14504285](http://www.uniprot.org/citations/14504285) target="_blank">14504285, PubMed: [15194700](http://www.uniprot.org/citations/15194700) target="_blank">15194700, PubMed: [15627637](http://www.uniprot.org/citations/15627637) target="_blank">15627637)

target="_blank">15627637). May function in skin immunity (PubMed:15184896). Mediates IL31-induced itch, probably in a manner dependent on cation channels TRPA1 and TRPV1 (By similarity). Positively regulates numbers and cycling status of immature subsets of myeloid progenitor cells in bone marrow in vivo and enhances myeloid progenitor cell survival in vitro (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Presynaptic cell membrane {ECO:0000250|UniProtKB:Q8K5B1}. Cell projection, axon {ECO:0000250|UniProtKB:Q8K5B1}

Tissue Location

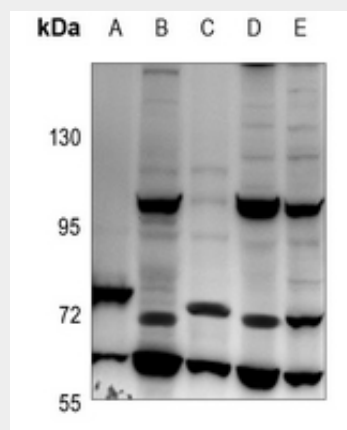
Expressed in CD14- and CD56-positive blood cells (PubMed:11877449). Expressed in macrophages (PubMed:16461143, PubMed:18439099). Expressed in keratinocytes (PubMed:21261663) Expressed in a subset of dorsal root ganglia neurons (at protein level) (PubMed:24373353). Expressed at low levels in testis, ovary, brain, prostate, placenta, thymus, bone marrow, trachea and skin (PubMed:11877449, PubMed:14504285, PubMed:15184896). Expressed in bronchial and alveolar epithelial cells and pulmonary fibroblasts (PubMed:18439099). Detected in all of the myelomonocytic lineage (PubMed:14504285). Isoform 6: Expressed at higher levels in lesional skin compared to healthy skin of atopic dermatitis patients (PubMed:24373353).

Anti-IL-31RA Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IL-31RA Antibody - Images



Western blot analysis of IL-31RA expression in HuT78 (A), Myla2078 (B), PC3 (C), CT26 (D), C6 (E) whole cell lysates.

Anti-IL-31RA Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IL-31RA. The exact sequence is proprietary.