

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

**Specification**

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**Anti-IL-31RA Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O8NI17</a>
Other Accession	<a href="#">O8K5B1</a>
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</a>, PubMed: [14504285](http://www.uniprot.org/citations/14504285) target="\_blank">14504285</a>, PubMed: [15194700](http://www.uniprot.org/citations/15194700) target="\_blank">15194700</a>, PubMed: [15627637](http://www.uniprot.org/citations/15627637) target="\_blank">15627637</a>)

target="\_blank">15627637</a>). May function in skin immunity (PubMed:<a href="http://www.uniprot.org/citations/15184896" target="\_blank">15184896</a>). 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

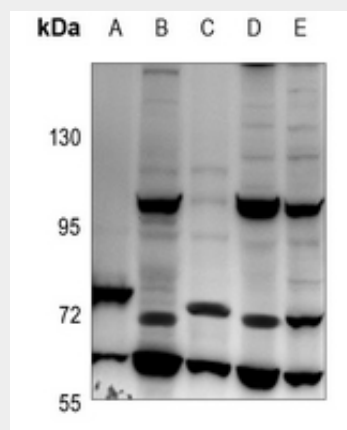
Expressed in CD14- and CD56-positive blood cells (PubMed:11877449). Expressed in macrophages (PubMed:16461143, PubMed:18439099). Expressed in keratinocytes (PubMed:21261663) Expressed in a subset of dorsal root ganglia neurons (at protein level) (PubMed:24373353). Expressed at low levels in testis, ovary, 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.