

**IL-31R $\alpha$  Polyclonal Antibody**  
Catalog # AP73274**Specification****IL-31R $\alpha$  Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">Q8NI17</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**IL-31R $\alpha$  Polyclonal Antibody - Additional Information****Gene ID** 133396**Other Names**

IL31RA; 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

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**IL-31R $\alpha$  Polyclonal 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:<a href="http://www.uniprot.org/citations/11877449" target="\_blank">11877449</a>, PubMed:<a href="http://www.uniprot.org/citations/14504285" target="\_blank">14504285</a>, PubMed:<a href="http://www.uniprot.org/citations/15194700" target="\_blank">15194700</a>, PubMed:<a href="http://www.uniprot.org/citations/15627637" 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

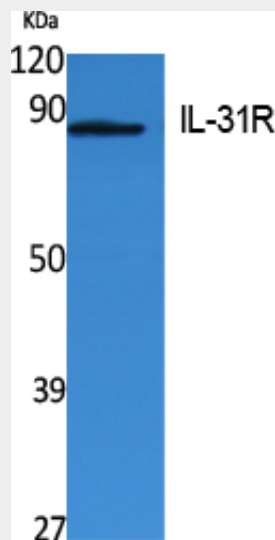
Expressed in CD14- and CD56-positive blood cells (PubMed:11877449). Expressed in macrophages (PubMed:16461143, PubMed:18439099). Expressed in keratinocytes (PubMed:21261663) Expressed in a subset of dorsal root ganglia neurons (at protein level) (PubMed:24373353). Expressed at low levels in testis, ovary,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

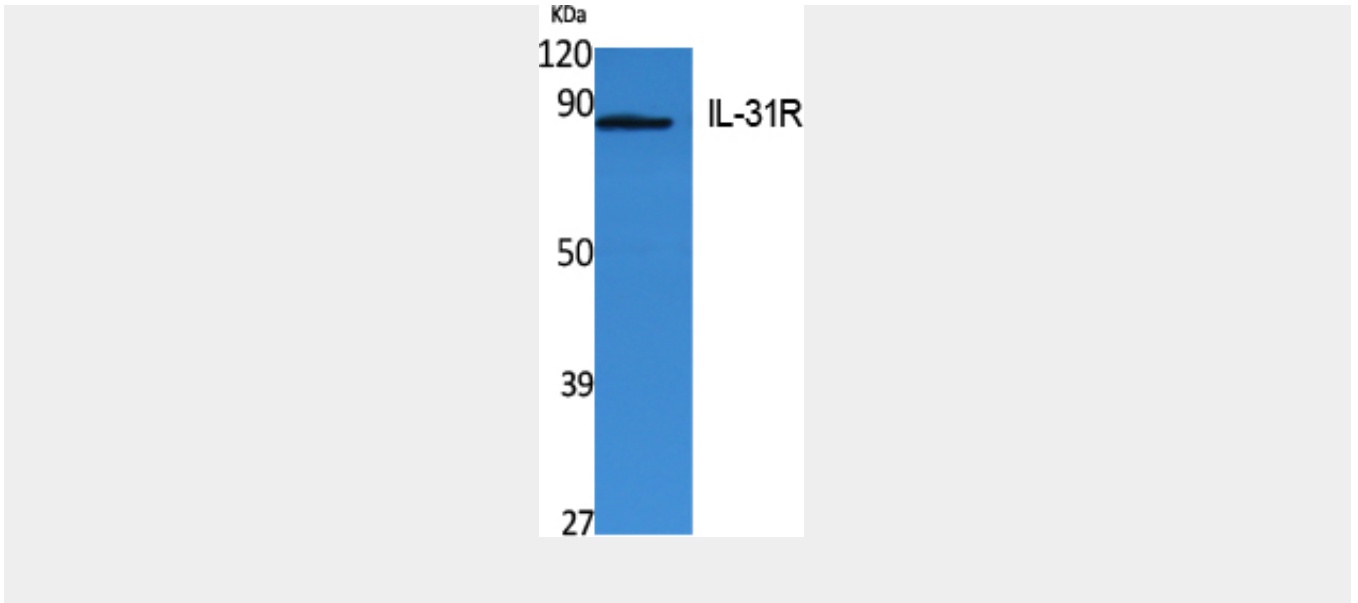
### IL-31R $\alpha$ Polyclonal Antibody - Protocols

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](#)

### IL-31R $\alpha$ Polyclonal Antibody - Images





### IL-31R $\alpha$ Polyclonal Antibody - Background

Associates with OSMR to form the interleukin-31 receptor which activates STAT3 and to a lower extent STAT1 and STAT5 (PubMed:11877449, PubMed:14504285, PubMed:15627637, PubMed:15194700). 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).