

IL-31R α Polyclonal Antibody

Catalog # AP73274

Product Information

Application	WB
Primary Accession	Q8NI17
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82954

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

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 , PubMed: 14504285 , PubMed: 15194700 , PubMed: 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}

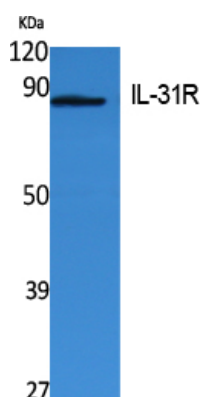
Tissue Location

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).

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).

Images



Western Blot analysis of extracts from Jurkat cells, using IL-31R Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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