

IL-31R α Polyclonal Antibody

Catalog No :	YT5091
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	IL-31R α
Fields :	>>Cytokine-cytokine receptor interaction
Gene Name :	IL31RA
Protein Name :	Interleukin-31 receptor subunit alpha
Human Gene Id :	133396
Human Swiss Prot No :	Q8NI17
Mouse Swiss Prot No :	Q8K5B1
Immunogen :	Synthesized peptide derived from the Internal region of human IL-31R α .
Specificity :	IL-31R α Polyclonal Antibody detects endogenous levels of IL-31R α protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 82kD

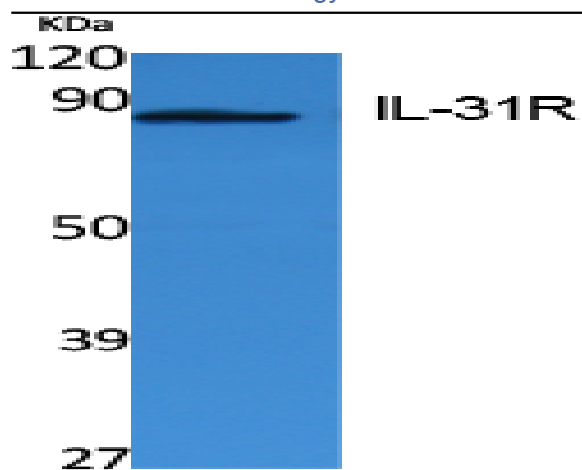
Background : The protein encoded by this gene belongs to the type I cytokine receptor family. This receptor, with homology to gp130, is expressed on monocytes, and is involved in IL-31 signaling via activation of STAT-3 and STAT-5. It functions either as a monomer, or as part of a receptor complex with oncostatin M receptor (OSMR). Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jun 2011],

Function : function:Associates with OSMR to form the interleukin-31 receptor which activates STAT3 and to a lower extent STAT1 and STAT5. May function in skin immunity.,induction:Up-regulated in lesional keratinocytes of patients with atopic dermatitis. Up-regulated by IFNG and lipopolysaccharides.,PTM:N-glycosylated.,similarity:Belongs to the type I cytokine receptor family. Type 2 subfamily.,similarity:Contains 5 fibronectin type-III domains.,subunit:Heterodimer with OSMR. Interacts with JAK1 and STAT3.,tissue specificity:Expressed at low levels in testis, ovary, brain, prostate, placenta, thymus, bone marrow, trachea and skin. Detected in all of the myelomonocytic lineage. Expressed in CD14- and CD56-positive blood cells and by macrophages (at protein level).,

Subcellular Location : Cell membrane ; Single-pass type I membrane protein . Cell junction, synapse, presynaptic cell membrane . Cell projection, axon .

Expression : 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:15184896, PubMed:11877449, PubMed:14504285). 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).

Products Images



Western Blot analysis of extracts from Jurkat cells, using IL-31R Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000