

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

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

---

**Sort :** 8503

---

**No4 :** 1

---

**Host :** Rabbit

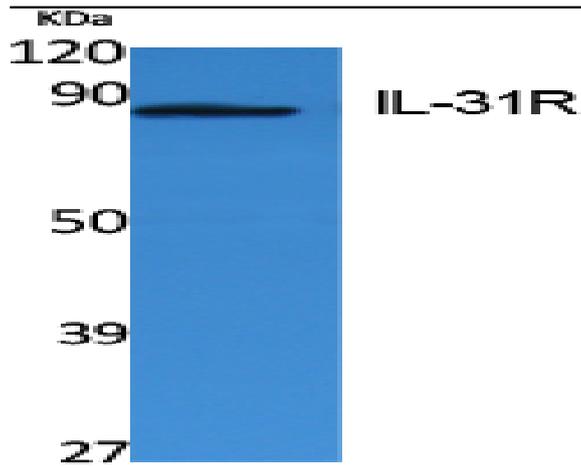
---

**Modifications :** Unmodified

---

---

**Products Images**



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