

## IL-11R $\alpha$ Polyclonal Antibody

<b>Catalog No :</b>	YT2310
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	IL-11R $\alpha$
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>JAK-STAT signaling pathway;>>Hematopoietic cell lineage
<b>Gene Name :</b>	IL11RA
<b>Protein Name :</b>	Interleukin-11 receptor subunit alpha
<b>Human Gene Id :</b>	3590
<b>Human Swiss Prot No :</b>	Q14626
<b>Mouse Swiss Prot No :</b>	Q64385
<b>Immunogen :</b>	Synthesized peptide derived from IL-11R $\alpha$ . at AA range: 300-380
<b>Specificity :</b>	IL-11R $\alpha$ Polyclonal Antibody detects endogenous levels of IL-11R $\alpha$ 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: 1:20000. 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 :** 45kD

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**Cell Pathway :** Cytokine-cytokine receptor interaction;Jak\_STAT;Hematopoietic cell lineage;

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**Background :** Interleukin 11 is a stromal cell-derived cytokine that belongs to a family of pleiotropic and redundant cytokines that use the gp130 transducing subunit in their high affinity receptors. This gene encodes the IL-11 receptor, which is a member of the hematopoietic cytokine receptor family. This particular receptor is very similar to ciliary neurotrophic factor, since both contain an extracellular region with a 2-domain structure composed of an immunoglobulin-like domain and a cytokine receptor-like domain. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2012],

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**Function :** disease:Increased levels of IL11R are found in prostate carcinoma.,function:Receptor for interleukin-11. The receptor systems for IL6, LIF, OSM, CNTF, IL11 and CT1 can utilize IL6ST for initiating signal transmission. The IL11/IL11RA/IL6ST complex may be involved in the control of proliferation and/or differentiation of skeletogenic progenitor or other mesenchymal cells.,similarity:Belongs to the type I cytokine receptor family. Type 3 subfamily.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 2 fibronectin type-III domains.,subunit:On ligand binding, forms a multimer complex with IL6ST/gp130.,tissue specificity:Expressed in a number of cell lines, including the myelogenous leukemia cell line K562, the megakaryocytic leukemia cell line Mo7E, the erythroleukemia cell line TF1, and the osteosarcoma cell lines, MG-63 and Saos-2. Also expressed in norm

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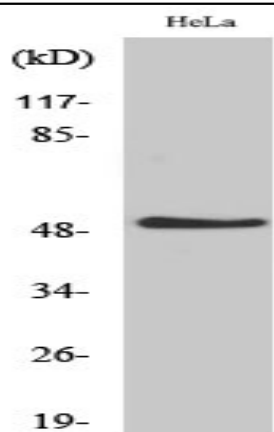
**Subcellular Location :** [Interleukin-11 receptor subunit alpha]: Membrane ; Single-pass type I membrane protein .; [Soluble interleukin-11 receptor subunit alpha]: Secreted .; [Isoform HCR2]: Secreted .

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**Expression :** Expressed in a number of cell lines, including the myelogenous leukemia cell line K-562, the megakaryocytic leukemia cell line M-07e, the erythroleukemia cell line TF-1, and the osteosarcoma cell lines, MG-63 and SaOS-2 (PubMed:7670098). Also expressed in normal and malignant prostate epithelial cell lines. Expression levels are increased in prostate carcinoma.

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## Products Images



Western Blot analysis of various cells using IL-11Ra Polyclonal Antibody