



IL-11R α Polyclonal Antibody

Catalog No	YP-Ab-13369
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	IL11RA
Protein Name	Interleukin-11 receptor subunit alpha
Immunogen	Synthesized peptide derived from IL-11R α . at AA range: 300-380
Specificity	IL-11R α Polyclonal Antibody detects endogenous levels of IL-11R α protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	IL11RA; Interleukin-11 receptor subunit alpha; IL-11 receptor subunit alpha; IL-11R subunit alpha; IL-11R-alpha; IL-11RA
Observed Band	45kD
Cell Pathway	[Interleukin-11 receptor subunit alpha]: Membrane ; Single-pass type I membrane protein .; [Soluble interleukin-11 receptor subunit alpha]: Secreted .; [Isoform HCR2]: Secreted .
Tissue Specificity	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.
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

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],

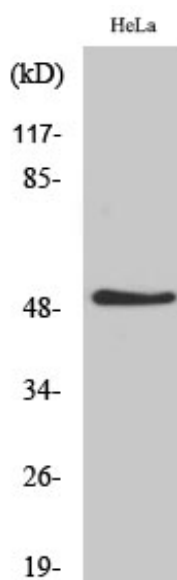
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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