

## IL-10R $\alpha$ Polyclonal Antibody

<b>Catalog No :</b>	YT2308
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	IL-10R $\alpha$
<b>Fields :</b>	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>JAK-STAT signaling pathway;>>Toxoplasmosis;>>Tuberculosis;>>Human cytomegalovirus infection
<b>Gene Name :</b>	IL10RA
<b>Protein Name :</b>	Interleukin-10 receptor subunit alpha
<b>Human Gene Id :</b>	3587
<b>Human Swiss Prot No :</b>	Q13651
<b>Mouse Swiss Prot No :</b>	Q61727
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human IL-10R alpha. AA range:462-511
<b>Specificity :</b>	IL-10R $\alpha$ Polyclonal Antibody detects endogenous levels of IL-10R $\alpha$ 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. IF 1:200 - 1:1000. ELISA: 1:10000. 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

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 63kD

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

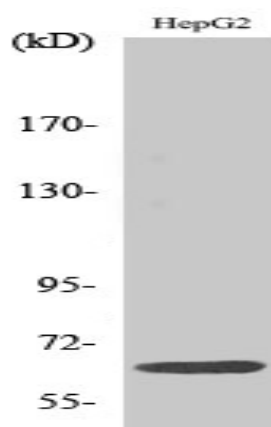
**Background :** The protein encoded by this gene is a receptor for interleukin 10. This protein is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2009],

**Function :** function:Receptor for IL10; binds IL10 with a high affinity.,similarity:Belongs to the type II cytokine receptor family.,tissue specificity:Spleen, thymus, and PBMC. Weak expression in pancreas, skeletal muscle, brain, heart, and kidney. Placenta, lung, and liver showed intermediate levels. Monocytes, B-cells, large granular lymphocytes, and T-cells express high levels.,

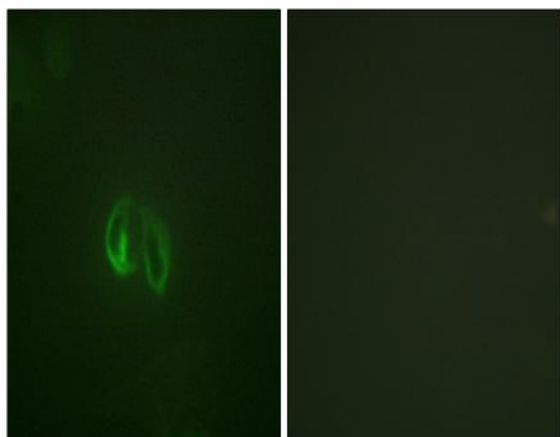
**Subcellular Location :** Cell membrane ; Single-pass type I membrane protein. Cytoplasm .

**Expression :** Primarily expressed in hematopoietic cells including B-cells, T-cells, NK cells, monocytes and macrophages. Not expressed in non-hematopoietic cells such as fibroblasts or endothelial cells.

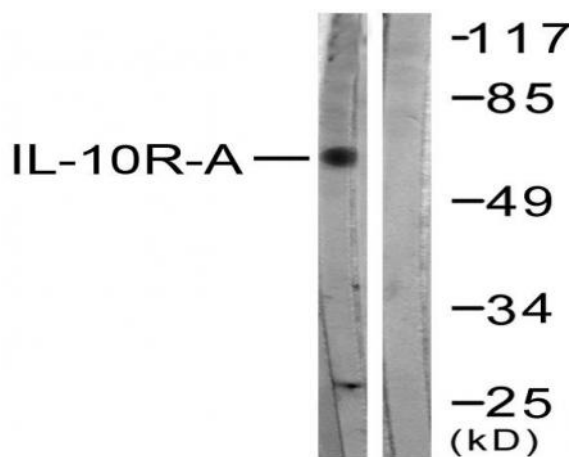
## Products Images



Western Blot analysis of various cells using IL-10R $\alpha$  Polyclonal Antibody



Immunofluorescence analysis of HepG2 cells, using IL-10R alpha Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, treated with  $\text{Na}_2\text{VO}_3$  0.3nM 40', using IL-10R alpha Antibody. The lane on the right is blocked with the synthesized peptide.