



IL-31R α Monoclonal Antibody

Catalog No	YP-mAb-13716
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IL31RA
Immunogen	Synthesized peptide derived from the Internal region of human IL-31R α .
Specificity	IL-31R α Monoclonal 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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	IL-31R α ;IL31RA;Interleukin-31 receptor subunit alpha;CRL3;GPL;IL-31 receptor subunit alpha;IL-31R subunit alpha;IL-31R-alpha;IL-31RA;Cytokine receptor-like 3;GLM-R;hGLM-R;Gp130-like monocyte receptor;Gp130-like receptor;ZcytoR17
Observed Band	82kD
Calculated Molecular Weight	82kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell junction, synapse, presynaptic cell membrane . Cell projection, axon .
Tissue Specificity	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).



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).,

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],

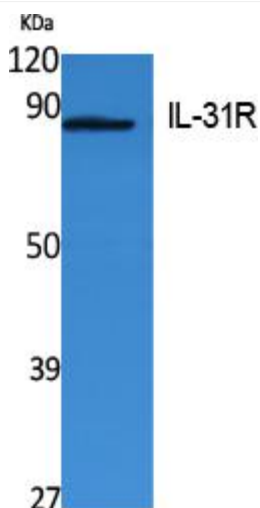
matters needing attention

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-31R α Monoclonal Antibody