ELK Biotechnology

IL-31RB rabbit pAb

Cat No.:ES20301

For research use only

Overview

Product Name	IL-31RB rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human IL-31RB AA range: 501-550
Specificity	This antibody detects endogenous levels of Human IL-31RB
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	IL-31RB
Gene Name	OSMR OSMRB
Cellular localization	Membrane ; Single-pass type I membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	9180
Human Swiss-Prot Number	Q99650
Alternative Names	Oncostatin-M-specific receptor subunit beta (Interleukin-31 receptor subunit beta;IL-31 receptor subunit beta;IL-31R subunit beta;IL-31R-beta;IL-31RB)
Background	disease:Defects in OSMR are the cause of amyloidosis type 9 (AMYL9) [MIM:105250]; also known as primary cutaneous amyloidosis (PCA), primary localized cutaneous amyloidosis (PLCA), familial lichen amyloidosis or familial cutaneous lichen amyloidosis. AMYL9 is a hereditary primary

amyloidosis characterized by localized cutaneous amyloid deposition. This condition usually presents with itching (especially on the lower legs) and visible changes of skin hyperpigmentation and thickening (lichenification) that may be exacerbated by chronic scratching and rubbing. The amyloid deposits probably reflect a combination of degenerate keratin filaments, serum amyloid P component, and deposition of immunoglobulins.,domain:The box 1 motif is required for JAK interaction and/or activation.,domain:The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.,function:Associates with IL31RA to form the IL31 receptor. Binds IL31 to activate STAT3 and possibly STAT1 and STAT5. Capable of transducing OSM-specific signaling events.,induction:Activated by oncostatin-M. Up-regulated by IFNG and lipopolysaccharide.,similarity:Belongs to the type I cytokine receptor family. Type 2 subfamily.,similarity:Contains 4 fibronectin type-III domains.,subunit:Heterodimer composed of OSMR and IL6ST (type II OSM receptor). Heterodimer with IL31RA to form the IL31 receptor.,tissue specificity:Expressed at relatively high levels in all neural cells as well as fibroblast, epithelial and a variety of tumor cell lines.,