



IL-31RB mouse mAb

Catalog No	YP-mAb-12440
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	OSMR OSMRB
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.
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	≥90%
Storage Stability	-20°C/1 year
Synonyms	IL-31 receptor subunit beta;IL-31R subunit beta;IL-31RB;IL-31R-beta;Interleukin-31 receptor subunit beta;OSMR OSMRB;Oncostatin-M-specific receptor subunit beta (Interleukin-31 receptor subunit beta;IL-31RB)
Observed Band	110 kDa
Calculated Molecular Weight	110 kDa
Cell Pathway	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	Expressed in keratinocytes (at protein level) (PubMed:21261663). Expressed at relatively high levels in all neural cells as well as fibroblast and epithelial cells (PubMed:8999038).
Function	regulation of acute inflammatory response, positive regulation of acute inflammatory response, cell surface receptor linked signal transduction, cell proliferation, positive regulation of cell proliferation, response to organic substance,positive regulation of defense response, regulation of response to external stimulus, positive regulation of response to external stimulus, response to cytokine stimulus, regulation of cell proliferation, positive regulation of response to stimulus, regulation of inflammatory response, positive regulation of inflammatory response,



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. CaMABLE 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.

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.

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