

Anti-IL-31 Antibody

Catalog Number: A08339

About IL31

Interleukin-31 (IL-31) is a recently discovered T-cell cytokine closely related to IL-6 type cytokines and is preferentially produced by T helper type 2 cells. IL-31 activity is mediated through the ligand-induced oligomerization of a dimeric receptor complex containing IL-31 receptor A and oncostatin M receptor. In response to IL-31 binding, these proteins activate the JAK/STAT and the AKT signaling pathways. RNA levels of IL-31 receptor A and oncostatin M receptor are induced in activated monocytes but are expressed constitutively in epithelial cells. IL-31, when overexpressed in transgenic mice, results in the development of pruritis, alopecia, and skin lesions and in humans may result in atopic dermatitis, suggesting that IL-31 may represent a novel target for antipruritic drug development.

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Overview

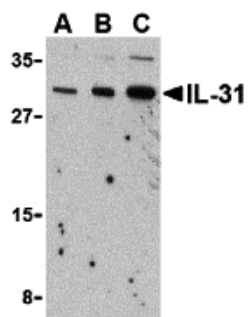
Product Name	Anti-IL-31 Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-IL-31 Antibody (Catalog # A08339). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Mouse.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	IL-31 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	IL-31 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q6EAL8

Technical Details

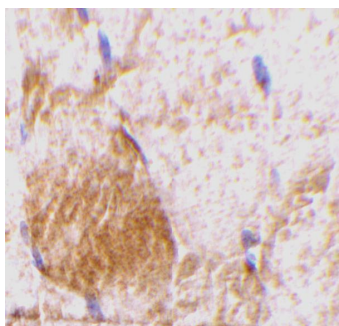
Immunogen	IL-31 antibody was raised against a 16 amino acid synthetic peptide from near the amino terminus of mouse IL-31. The immunogen is located within amino acids 30 - 80 of IL-31.
Predicted Reactive Species	Chicken

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	IL-31 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	IL-31 antibody can be used for the detection of IL-31 by Western blot at 2.5 - 10 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. Antibody validated: Western Blot in mouse samples and Immunohistochemistry in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-IL-31 Antibody (A08339) Images



Western blot analysis of IL-31 in RAW264.7 cell lysate with IL-31 antibody at (A) 2.5, (B) 5 and (C) 10 ug/mL.



Immunohistochemistry of IL-31 in rat skeletal muscle tissue with IL-31 antibody at 10 ug/mL.

[Anti-IL-31 Antibody](#)

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