

Datasheet for ABIN6990613
anti-IL-31 antibody (AA 60-110)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IL-31 (IL31)
Binding Specificity:	AA 60-110
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-31 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	IL-31 antibody was raised against a 18 amino acid synthetic peptide from near the center of human IL-31. The immunogen is located within amino acids 60 - 110 of IL-31.
Isotype:	IgG
Purification:	IL-31 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	IL-31 (IL31)
Alternative Name:	IL-31 (IL31 Products)
Background:	IL-31 Antibody: 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

Target Details

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.

Gene ID: 386653

UniProt: [Q6EBC2](#)

Application Details

Application Notes: IL-31 antibody can be used for the detection of IL-31 by Western blot at 2.5 - 10 µg/mL. Despite its predicted size, IL-31 runs at approximately 27 - 30 kDa in SDS-PAGE. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: IL-31 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: IL-31 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.