

Datasheet for ABIN6990612
anti-IL-31 antibody (N-Term)



[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IL-31 (IL31)
Binding Specificity:	AA 30-80, N-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-31 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product 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.
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: 76399

UniProt: [Q6EAL8](#)

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. Antibody can also be used for immunohistochemistry starting at 10 µg/mL.

Antibody validated: Western Blot in mouse samples and Immunohistochemistry in rat 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.