

Datasheet for ABIN500004
anti-IL-31 antibody (N-Term)



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2 Images

Overview

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

Product Details

Immunogen:	Murine IL-31 (N-Terminus) Peptide
Isotype:	IgG
Specificity:	IL-31 antibody was raised against a 16 amino acid peptide from near the amino terminus of mouse IL-31.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	IL-31 (IL31)
Alternative Name:	Interleukin-31 / IL31 (IL31 Products)

Target Details

Background: 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 (1,2). IL-31 activity is mediated through the ligand-induced oligomerization of a dimeric receptor complex containing IL-31 receptor A and oncostatin M receptor (2). In response to IL-31 binding, these proteins activate the JAK/STAT and the AKT signaling pathways (3). 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 (1,4).
Synonyms: IL-31

Gene ID: 76399

UniProt: [Q6EAL8](#)

Application Details

Application Notes: ELISA. Western Blot: 2.5 - 5 µg/mL. Immunohistochemistry.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

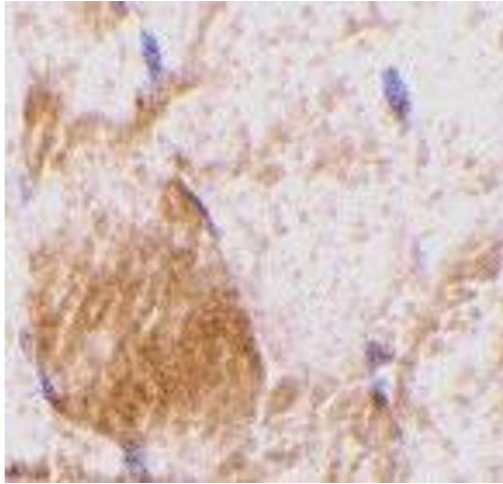
Handling

Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

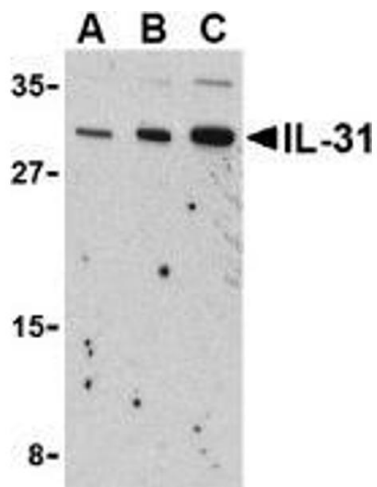
Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of IL-31 in rat skeletal muscle tissue with IL-31 antibody at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of IL-31 in RAW264.7 cell lysate with AP30422PU-N IL-31 antibody at (A) 2.5, (B) 5 and (C) 10 µg/ml.