Datasheet for ABIN500006

anti-IL-31 antibody (Intermediate Domain)

1 Image

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Overview

Quantity:	0.1 mg
Target:	IL-31 (IL31)
Binding Specificity:	Intermediate Domain
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-31 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Human IL-31 (Intermediate Domain) Peptide
Isotype:	IgG
Specificity:	IL-31 antibody was raised against a 18 amino acid peptide from near the center of human IL-31.
Purification:	Affinity chromatography purified via peptide column

Target Details

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

Target Details

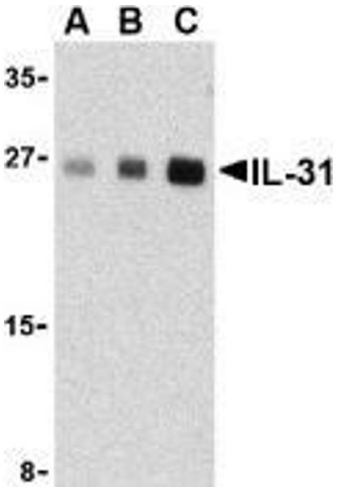
	through the ligand-induced oligomerization of a dimeric receptor complex containing IL-31 receptor A and oncostatin M receptor (2). In response to IL-31 binding, these proteins activate the JAK/STAT and the AKT signaling pathways (3). RNA levels of IL-31 receptor A and oncostatin M receptor are induced 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:	386653
NCBI Accession:	NP_001014358
UniProt:	Q6EBC2

Application Details

Application Notes:	ELISA. Western Blot: 2.5 - 5 µg/mL. Despite its predicted size, IL-31 runs at approximately 27 - 30 kDa in SDS-PAGE. 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



Western Blotting

Image 1. Western blot analysis of IL-31 in human skeletal muscle tissue lysate with AP30423PU-N IL-31 antibody at (A) 2.5, (B) 5 and (C) 10 µg/ml.