

Rabbit anti-Mouse IL-31 Polyclonal Antibody | anti-IL31 antibody

IL-31 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40388	Rabbit	Mouse	Immunohistochemistry, Western Blot, ELISA

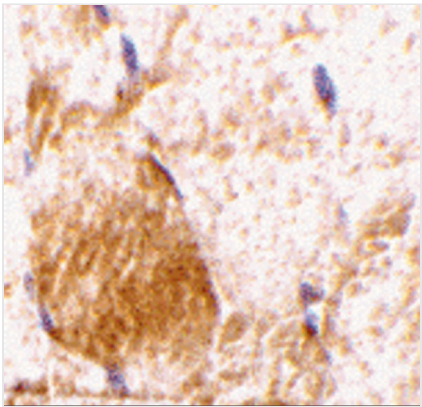
PRODUCT SYNONYMS

IL-31; Polyclonal Antibody; IL-31 Antibody; 1700013B14Rik; Interleukin-31; interleukin 31; anti-IL31 antibody

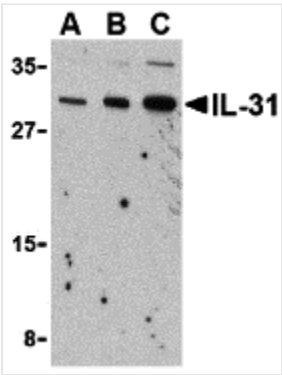
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	IL-31 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	163
Applicable Applications for anti-IL31 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
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.
Buffer	IL-31 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	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.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of IL-31 in rat skeletal muscle tissue with IL-31 antibody at 10 µg/mL.



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

ADDITIONAL INFORMATION

Related Product Information for anti-IL31 antibody	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 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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NCBI AND UNIPROT INFORMATION

NCBI GI #	46241139
NCBI GeneID	76399
UniProt Accession #	Q6EAL8
Molecular Weight	18,120 Da
NCBI Official Full Name	interleukin 31
NCBI Official Synonym Full Names	interleukin 31
NCBI Official Symbol	IL31
NCBI Official Synonym Symbols	1700013B14Rik
NCBI Protein Information	interleukin-31; IL-31
UniProt Protein Name	Interleukin-31
UniProt Gene Name	IL31
UniProt Synonym Gene Names	IL-31
UniProt Entry Name	IL31_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.