

ARG45387 anti-IL31 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IL31
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL31
Species	Human
Immunogen	Recombinant protein containing to human IL31.
Conjugation	Un-conjugated
Alternate Names	Interleukin-31; IL-31

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5-1 µg/ml
	WB	0.1-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	29 kDa	

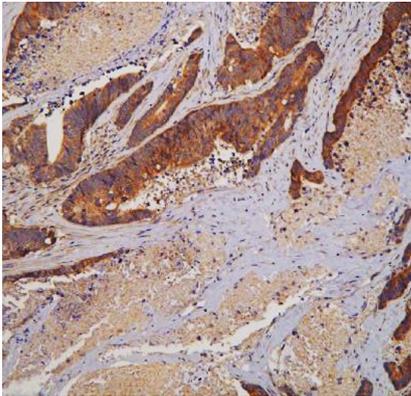
Properties

Form	Liquid
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

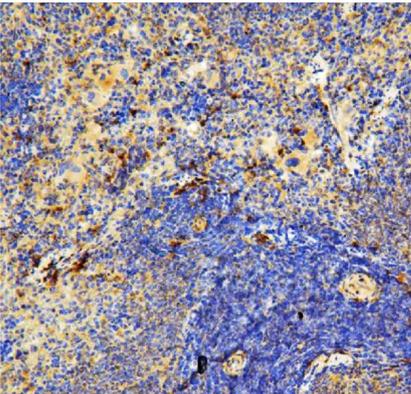
Gene Symbol	IL31
Gene Full Name	interleukin 31
Background	IL31, which is made principally by activated Th2-type T cells, interacts with a heterodimeric receptor consisting of IL31RA (MIM 609510) and OSMR (MIM 601743) that is constitutively expressed on epithelial cells and keratinocytes. IL31 may be involved in the promotion of allergic skin disorders and in regulating other allergic diseases, such as asthma (Dillon et al., 2004 [PubMed 15184896]).[supplied by OMIM, Mar 2008]
Function	Activates STAT3 and possibly STAT1 and STAT5 through the IL31 heterodimeric receptor composed of IL31RA and OSMR. [UniProt]
Calculated Mw	18 kDa
PTM	Glycoprotein. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



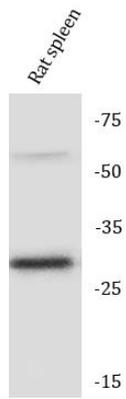
ARG45387 anti-IL31 antibody IHC-P image

Immunohistochemistry: Human colon cancer stained with ARG45387 anti-IL31 antibody at 1 µg/ml dilution.



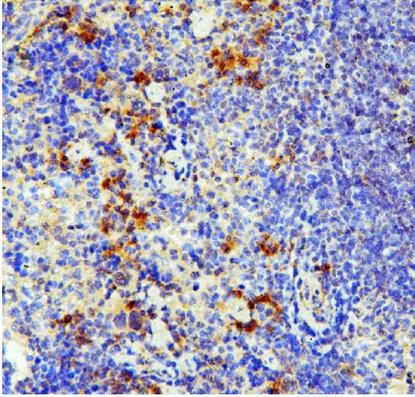
ARG45387 anti-IL31 antibody IHC-P image

Immunohistochemistry: Rat spleen stained with ARG45387 anti-IL31 antibody at 1 µg/ml dilution.



ARG45387 anti-IL31 antibody WB image

Western blot: Rat spleen stained with ARG45387 anti-IL31 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45387 anti-IL31 antibody IHC-P image

Immunohistochemistry: Mouse spleen stained with ARG45387 anti-IL31 antibody at 1 $\mu\text{g}/\text{ml}$ dilution.