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Datasheet for ABIN3022882

anti-IL-13 antibody (AA 25-146)

5 Images

1 Publication

Overview

Quantity:	100 µL
Target:	IL-13 (IL13)
Binding Specificity:	AA 25-146
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-13 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 25-146 of human IL13 (NP_002179.2).
Sequence:	LTCLGGFASP GPVPPSTALR ELIEELVNIT QNQKAPLCNG SMVWSINLTA GMYCAALES L INVSGCSAIE KTQRMLSGFC PHKVSAGQFS SLHVRDTKIE VAQFVKDLLLL HLKCLFREGQ FN
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	IL-13 (IL13)
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Target Details

Alternative Name:	IL13 (IL13 Products)
Background:	<p>This gene encodes an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. It up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. This cytokine down-regulates macrophage activity, thereby inhibits the production of pro-inflammatory cytokines and chemokines. This cytokine is found to be critical to the pathogenesis of allergen-induced asthma but operates through mechanisms independent of IgE and eosinophils. This gene, IL3, IL5, IL4, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL4.,IL13,IL-13,P600,Cancer,Tumor immunology,Immunology & Inflammation,Cytokines,Interleukins,Cell Intrinsic Innate Immunity Signaling Pathway,IL13</p>
Molecular Weight:	15 kDa
Gene ID:	3596
UniProt:	P35225
Pathways:	JAK-STAT Signaling , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , Proton Transport

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100
Restrictions:	For Research Use only

Handling

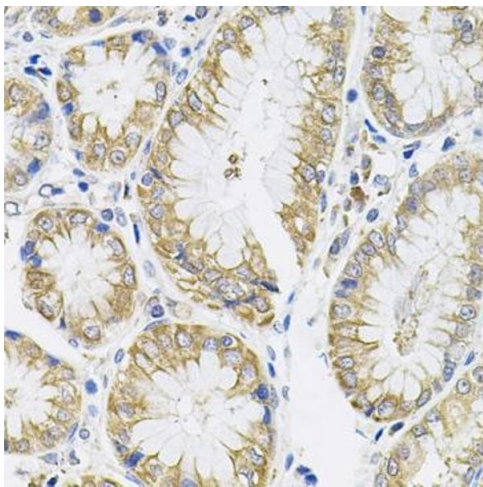
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Product cited in:

Li, Sun, Li, Lv, Semukunzi, Li, Yu, Yuan, Lin: "DT-13 synergistically enhanced vinorelbine-mediated mitotic arrest through inhibition of FOXM1-BICD2 axis in non-small-cell lung cancer cells." in: **Cell death & disease**, Vol. 8, Issue 5, pp. e2810, (2018) ([PubMed](#)).

Jiang, Liao, He, Xin, Tu, Kong, Cui, Wang, Quan, Li, Zhang, Wang: "FoxM1 Directs STAT3 Expression Essential for Human Endometrial Stromal Decidualization." in: **Scientific reports**, Vol. 5, pp. 13735, (2016) ([PubMed](#)).

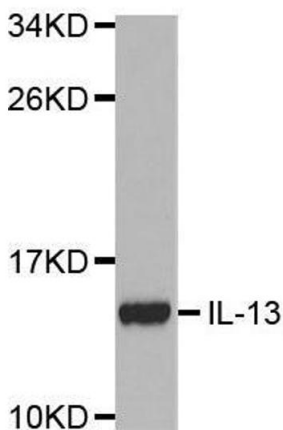
Validation report #101403 for Immunofluorescence (IF)



Immunohistochemistry

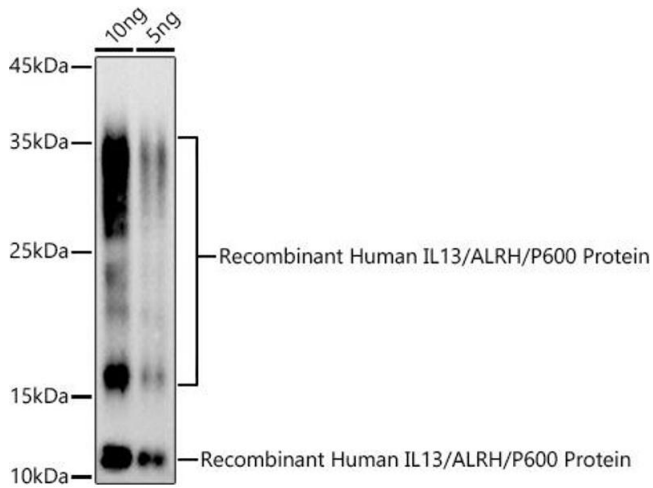
Image 1. Immunohistochemistry of paraffin-embedded human stomach using IL13 antibody (ABIN3022881, ABIN3022882, ABIN3022883 and ABIN6219278) (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Recombinant protein



Western Blotting

Image 2. Western blot analysis of extracts of recombinant protein using IL13 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of Recombinant Human IL13/ALRH/P600 Protein, using IL13 antibody (ABIN3022881, ABIN3022882, ABIN3022883 and ABIN6219278) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022882.