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# Datasheet for ABIN2176964 anti-IL12B antibody (AA 201-300)

2 Images

1 Publication



#### Overview

Quantity:	100 µL
Target:	IL12B
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL12B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### Product Details

Isotype:	lgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

#### Target Details

Target:	IL12B
Alternative Name:	IL-12 beta (IL12B Products)

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Target Details	
Background:	<ul> <li>Synonyms: CLMF, NKSF, CLMF2, IMD28, IMD29, NKSF2, IL-12B, Interleukin-12 subunit beta,</li> <li>Cytotoxic lymphocyte maturation factor 40 kDa subunit, CLMF p40, IL-12 subunit p40, NK cell</li> <li>stimulatory factor chain 2, IL12B</li> <li>Background: Cytokine that can act as a growth factor for activated T and NK cells, enhance the</li> <li>lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma</li> <li>by resting PBMC. Associates with IL23A to form the IL-23 interleukin, a heterodimeric cytokine</li> <li>which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute</li> <li>response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex</li> <li>composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory</li> <li>rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces</li> <li>autoimmune inflammation and thus may be responsible for autoimmune inflammatory</li> <li>diseases and may be important for tumorigenesis.</li> </ul>
Gene ID:	3593
UniProt:	P29460
Pathways:	JAK-STAT Signaling, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Activated T Cell Proliferation

### Application Details

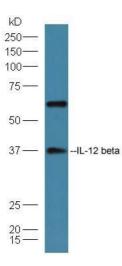
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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#### Handling

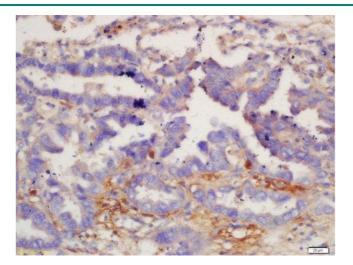
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Li, Dan, Nie, Hu, Gesang, Bianba, Ze, Ciren: "CD14 knockdown reduces lipopolysaccharide- induced cell viability and expression of inflammation-associated genes in gastric cancer cells in vitro and in nude mouse xenografts." in: <b>Molecular medicine reports</b> , Vol. 12, Issue 3, pp. 4332- 9, (2015) (PubMed).

Images



#### Western Blotting

**Image 1.** Mouse spleen lysates probed with Rabbit Anti-IL-12 beta Polyclonal Antibody, Unconjugated (ABIN2176964) at 1:300 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:5000 for 90 min at 37 °C.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-IL-12 beta Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

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