10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL28B antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15004

Specification

IL28B antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q8IZI9
Other Accession	NM_172139, NP_742151
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Dog**
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**22kDa KDa**

IL28B antibody - C-terminal region - Additional Information

Gene ID 282617

Alias Symbol	**IFNL3, IL-28B, IL28C, IL28B**

Other Names
Interferon lambda-3, IFN-lambda-3, Cytokine Zcyto22, Interleukin-28B, IL-28B, Interleukin-28C, IL-28C, IFNL3, IL28B, IL28C, ZCYTO22

Target/Specificity
This antibody is pan-IL28 specific, as there is 100% homology to the human IL28A sequence, per http://www.uniprot.org/uniprot/Q8IZJ0.

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-IL28B antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
IL28B antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

IL28B antibody - C-terminal region - Protein Information

Name IFNL3

Synonyms IL28B, IL28C, ZCYTO22

Function
Cytokine with antiviral, antitumour and immunomodulatory activities. Plays a critical role in the

antiviral host defense, predominantly in the epithelial tissues. Acts as a ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IFNLR1, and receptor engagement leads to the activation of the JAK/STAT signaling pathway resulting in the expression of IFN-stimulated genes (ISG), which mediate the antiviral state. Has a restricted receptor distribution and therefore restricted targets: is primarily active in epithelial cells and this cell type-selective action is because of the epithelial cell-specific expression of its receptor IFNLR1. Seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor (TLR)- induced antiviral defense. Plays a significant role in the antiviral immune defense in the intestinal epithelium. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.

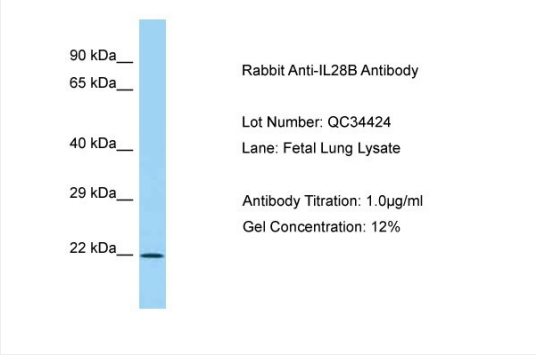
Cellular Location
Secreted.

IL28B antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IL28B antibody - C-terminal region - Images



Host: Rabbit
Target Name: IL28B
Sample Tissue: Fetal Lung
Antibody Dilution: 1.0µg/ml

IL28B antibody - C-terminal region - References

Sheppard P.,et al.Nat. Immunol. 4:63-68(2003).
Kotenko S.V.,et al.Nat. Immunol. 4:69-77(2003).
Li M.C.,et al.Acta Pharmacol. Sin. 27:453-459(2006).
Grimwood J.,et al.Nature 428:529-535(2004).
Donnelly R.P.,et al.J. Interferon Cytokine Res. 30:555-564(2010).