

## Interleukin-29 Polyclonal Antibody

Catalog No: #42566

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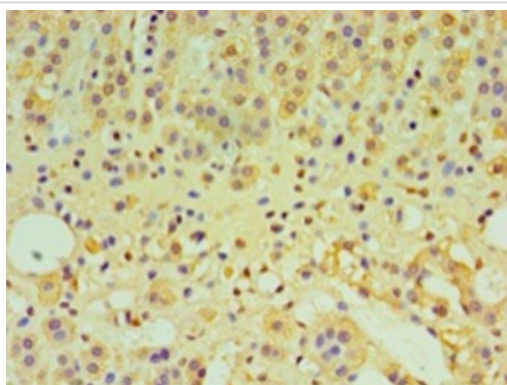
## Description

Product Name	Interleukin-29 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Interleukin-29 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Interleukin-29 proteinB£B"21-200AAB£B©
Target Name	Interleukin-29
Other Names	Cytokine Zcyto21, Interleukin-29, IL29, ZCYTO21, IFNL1
Accession No.	Swiss-Prot#: Q8IU54
Uniprot	Q8IU54
GeneID	282618;
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

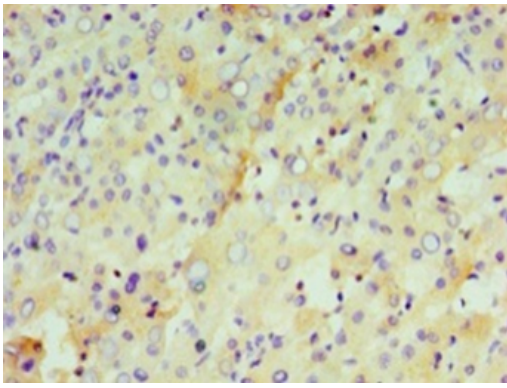
## Application Details

Immunohistochemistry: 1:20 - 1:200

## Images



Immunohistochemical analysis of paraffin-embedded human adrenal gland using #42566 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human liver tissue gland using #42566 at dilution of 1:100.

## Background

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. Exerts an immunomodulatory effect by up-regulating MHC class I antigen expression.

## References

[1]"Construction of mammalian cell expression vector of human interleukin (IL)-28A, IL-28B and IL-29 gene from activated peripheral blood mononuclear cell and analysis of its sequence." Li M., He S. Submitted (JUL-2003). [2]"The DNA sequence and biology of human chromosome 19." Grimwood J., Gordon L.A., Olsen A.S., Terry A., Schmutz J., Lamerdin J.E., Hellsten U., Goodstein D., Couronne O., Tran-Gyamfi M., Aerts A., Altherr M., Ashworth L., Bajorek E., Black S., Branscomb E., Caenepeel S., Carrano A.V. Lucas S.M. *Nature* 428:529-535(2004). [3]"Construction of mammalian cell expression vector of human interleukin (IL)-28A, IL-28B and IL-29 gene from activated peripheral blood mononuclear cell and analysis of its sequence." Li M., He S. Submitted (JUL-2003).

Note: This product is for in vitro research use only