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IL-28R Rabbit pAb

Catalog # AP97741

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8IU57
Other Accession	Q8IU57
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57653
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IL-28R
Epitope Specificity	51-150/520
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the type II cytokine receptor family. Contains 1 fibronectin type-III domain.
SUBUNIT	Heterodimer with IL10RB.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene belongs to the class II cytokine receptor family. This protein forms a receptor complex with interleukine 10 receptor, beta (IL10RB). The receptor complex has been shown to interact with three closely related cytokines, including interleukin 28A (IL28A), interleukin 28B (IL28B), and interleukin 29 (IL29). The expression of all three cytokines can be induced by viral infection. The cells overexpressing this protein have been found to have enhanced responses to IL28A and IL29, but decreased response to IL28B. Three alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	163702
Other Names	CRF2/12; IFNLR; IL-28R1; IL28RA; LICR2; CRF2-12; RGD1562689; INLR1_HUMAN; IFNLR1; IFN-lambda receptor 1; IFN-lambda-R1; Cytokine receptor class-II member 12; Cytokine receptor family 2 member 12 (CRF2-12); Interleukin-28 receptor subunit alpha (IL-28 receptor subunit alpha | IL-28R-alpha | IL-28RA); Likely interleukin or cytokine receptor 2 (LICR2); INLR1_MOUSE; IFN-lambda R1; interferon lambda receptor 1; interleukin 28 receptor, alpha; interleukin 28 receptor, alpha (interferon, lambda receptor); interferon, lambda receptor 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	IFNLR1
Synonyms	IL28RA, LICR2
Function	The IFNLR1/IL10RB dimer is a receptor for the cytokine ligands IFNL2 and IFNL3 and mediates their antiviral activity. The ligand/receptor complex stimulate the activation of the JAK/STAT signaling pathway leading to the expression of IFN-stimulated genes (ISG), which contribute to the antiviral state. Determines the cell type specificity of the lambda interferon action. Shows a more restricted pattern of expression in the epithelial tissues thereby limiting responses to lambda interferons primarily to epithelial cells of the respiratory, gastrointestinal, and reproductive tracts. 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.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.