

# Product datasheet

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ARG41102 anti-IL28RA antibody

Package: 50 μl Store at: -20°C

### Summary

Product Description Rabbit Polyclonal antibody recognizes IL28RA

Tested Reactivity Hu

Predict Reactivity Ms, Rat, Cow, Dog, Gpig, Hrs, Rb

Tested Application WB

Host Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name IL28RA
Species Human

Immunogen Synthetic peptide around the N-terminal region of Human IL28RA. (within the following region:

EECAGTKELLCSMMCLKKQDLYNKFKGRVRTVSPSSKSPWVESEYLDYLF)

Conjugation Un-conjugated

Alternate Names IFNLR; IFN-lambda-R1; IL-28RA; IL28RA; Interferon lambda receptor 1; LICR2; CRF2-12; IFN-lambda

receptor 1; Cytokine receptor class-II member 12; Interleukin-28 receptor subunit alpha; Likely interleukin or cytokine receptor 2; IL-28R1; CRF2/12; Cytokine receptor family 2 member 12; IL-28R-

alpha; IL-28 receptor subunit alpha

## **Application Instructions**

Predict Reactivity Note Predicted Homology Based On Immunogen Sequence: Cow: 92%; Dog: 100%; Guinea pig: 100%; Horse:

86%; Mouse: 77%; Rabbit: 86%; Rat: 92%

Application table Application Dilution

WB  $1 \mu g/ml$ 

Application Note \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations

should be determined by the scientist.

#### **Properties**

Form Liquid

Purification Affinity purified.

Buffer PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.

Preservative 0.09% (w/v) Sodium azide

Stabilizer 2% Sucrose

Concentration Batch dependent: 0.5 - 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

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and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol IFNLR1

Gene Full Name interferon, lambda receptor 1

Background 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]

Function The IFNLR1/IL10RB dimer is a receptor for the cytokine ligands IFNL2 and IFNL3 and mediates their

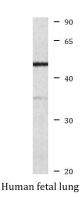
antiviral activity. The ligand/receptor complex stimulate the activation of the JAK/STAT signaling pathway leading to the expression of IFN-stimulated genes (ISG), which contribute to the antiviral state. Determines the cell type specificity of the lambda interferon action. Shows a more restricted pattern 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. [UniProt]

Calculated Mw 58 kDa

Cellular Localization Membrane; Single-pass type I membrane protein. [UniProt]

#### **Images**



#### ARG41102 anti-IL28RA antibody WB image

Western blot: Human fetal lung lysate stained with ARG41102 anti-IL28RA antibody at 1  $\mu$ g/ml dilution.