

ARG55331 anti-IL12RB1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IL12RB1
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IL12RB1
Species	Human
Immunogen	Recombinant protein of Human IL12RB1
Conjugation	Un-conjugated
Alternate Names	Interleukin-12 receptor subunit beta-1; IL-12R-beta-1; IL12RB; IL-12R-BETA1; IL-12 receptor beta component; IL-12RB1; IL-12 receptor subunit beta-1; IMD30; CD212; IL-12R subunit beta-1; CD antigen CD212

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse liver	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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

Database links

[GeneID: 16161 Mouse](#)

[GeneID: 3594 Human](#)

[Swiss-port # P42701 Human](#)

[Swiss-port # Q60837 Mouse](#)

Gene Symbol

IL12RB1

Gene Full Name

interleukin 12 receptor, beta 1

Background

The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Mutations in this gene impair the development of interleukin-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]

Function

Functions as an interleukin receptor which binds interleukin-12 with low affinity and is involved in IL12 transduction. Associated with IL12RB2 it forms a functional, high affinity receptor for IL12. Associates also with IL23R to form the interleukin-23 receptor which functions in IL23 signal transduction probably through activation of the Jak-Stat signaling cascade. [UniProt]

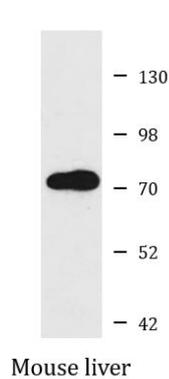
Research Area

Immune System antibody

Calculated Mw

73 kDa

Images



ARG55331 anti-IL12RB1 antibody WB image

Western blot: Mouse liver lysate stained with ARG55331 anti-IL12RB1 antibody.