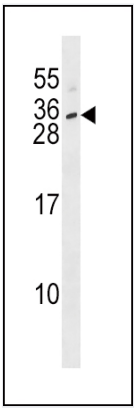
IFNL3 Antibody – Rabbit Polyclonal

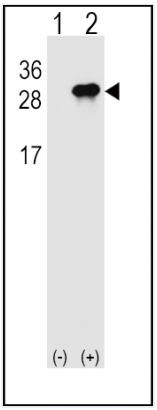
PRODUCT OVERVIEW

Product Name	IL28B (IFNL3), Polyclonal Antibody
Full Product Name	IL28B Antibody (N-term)
Product Gene Name	anti-IFNL3 antibody
Product Synonym Names	Interferon lambda-3; IFN-lambda-3; Cytokine Zcyto22; Interleukin-28B; IL-28B; Interleukin-28C; IL-28C; IFNL3; IL28B; IL28C; ZCYTO22
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
Specificity	This IL28B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-63 amino acids from the N-terminal region of human IL28B.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	IL28B peptide (MBS9222056) is used for blocking the activity of IL28B antibody (MBS9201572)
Molecular Weight	21706
Immunogen Sequence Positions	34-63
OMIM	607402
3D Structure	ModBase 3D Structure for Q8IZI9
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-IFNL3 antibody	Immunology; Signal Transduction
Applications Tested/Suitable for anti-IFNL3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IFNL3 antibody	WB~~1:1000

Related Product Information for anti-IFNL3 antibody	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 29 (IL29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA).
Product References and Citations for anti-IFNL3 antibody	Lindh, M., et al. Hepatology 52(5):1860-1861(2010) Pineda, J.A., et al. Clin. Infect. Dis. 51(7):788-795(2010) Grebely, J., et al. Hepatology 52(4):1216-1224(2010) Stattermayer, A.F., et al. Clin. Gastroenterol. Hepatol. (2010) In press : Iwata, R., et al. J. Viral Hepat. (2010) In press :
Other Notes	Small volumes of anti-IFNL3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IFNL3 purchase	MBS9201572 is an antibody targeting IFNL3. Also known as IL28B Antibody (N-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IFNL3 antibody
IL28B Antibody (N-term) western blot analysis in SK-BR-3 cell line lysates (35ug/lane).This demonstrates the IL28B antibody detected the IL28B protein (arrow).



Western Blot (WB) of anti-IFNL3 antibody
Western blot analysis of IL28B (arrow) using rabbit polyclonal IL28B Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the IL28B gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFNL3. It may not necessarily be applicable to this product.

NCBI GI #	28144901
NCBI GeneID	282617
NCBI Accession #	NP_742151.2
UniProt Primary Accession #	Q8IZI9
UniProt Secondary Accession #	Q6VN56; Q7Z4J3; Q8IWL6; A2BDE1
UniProt Related Accession #	Q8IZI9
GenBank Nucleotide #	NM_172139.2
NCBI Official Full Name	interferon lambda-3
NCBI Official Synonym Full Names	interferon, lambda 3
NCBI Official Symbol	IFNL3
NCBI Official Synonym Symbols	IL28B; IL28C; IL-28B

UniProt Protein Name	Interferon lambda-3
UniProt Synonym Protein Names	Cytokine Zcyto22; Interleukin-28B; IL-28B; Interleukin-28C; IL-28C
Protein Family	Interferon
UniProt Gene Name	IFNL3
UniProt Synonym Gene Names	IL28B; IL28C; ZCYTO22; IFN-lambda-3; IL-28B; IL-28C
UniProt Entry Name	IFNL3_HUMAN
NCBI Protein Information	interferon lambda-3
NCBI Summary for IFNL3	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 29 (IL29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA). [provided by RefSeq, Jul 2008]
UniProt Comments for IFNL3	IL-28B: Cytokine with immunomodulatory activity. Up-regulates MHC class I antigen expression. Displays potent antiviral activity. Also displays antitumor activity. Ligand for the heterodimeric class II cytokine receptor composed of IL10RB and IL28RA. The ligand/receptor complex seems to signal through the Jak-STAT pathway. Belongs to the IL-28/IL-29 family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 19q13.13 Cellular Component: extracellular space Molecular Function: cytokine activity Biological Process: positive regulation of immune response; negative regulation of viral genome replication; JAK-STAT cascade; defense response to virus Disease: Hepatitis C Virus, Susceptibility To
Research Articles on IFNL3	**1.** Data show interleukin 28B rs12979860 genotype association with interferon (IFN) treatment response in hepatitis C virus (HCV)-3a-infected patients.
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