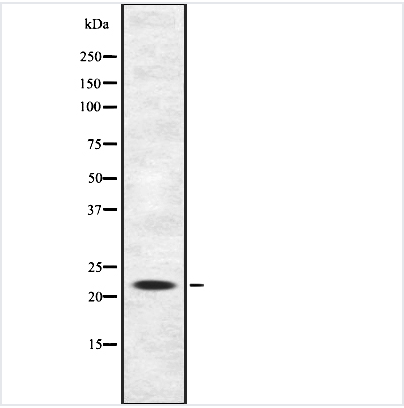
IFN21 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IFN21, Polyclonal Antibody
Full Product Name	IFN21 Antibody
Product Gene Name	anti-IFN21 antibody
Product Synonym Names	IFN-alpha-21 £ ¬IFN-alpha-1/13
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0mg/mL (lot specific)
Specificity	IFN21 Antibody detects endogenous levels of total IFN21
Preparation and Storage	Store at -20 degree C
Molecular Weight	21,741 Da
OMIM	V00540 mRNA
3D Structure	ModBase 3D Structure for P01568
Immunogen	A synthesized peptide derived from human IFN21
Immunogen Type	Peptide
Product Categories/Family for anti-IFN21 antibody	Total protein Ab
Applications Tested/Suitable for anti-IFN21 antibody	Western Blot (WB)
Application Notes for anti-IFN21 antibody	Western Blot: 1:1000-3000
Related Product Information for anti-IFN21 antibody	MBS9419014 is an antibody targeting IFN21. Also known as IFN21 Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-IFN21 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.



Western Blot (WB) of anti-IFN21 antibody
Western blot analysis IFN21 using Jurkat whole cell lysates

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IFN21. It may not necessarily be applicable to this product.

NCBI GI #	169791013
NCBI GeneID	3452
NCBI Accession #	NP_002166.2
UniProt Primary Accession #	P01568
UniProt Secondary Accession #	Q14608; Q5VWD1; Q7M4Q4
UniProt Related Accession #	P01568
GenBank Nucleotide #	NM_002175.2
NCBI Official Full Name	interferon alpha-21
NCBI Official Synonym Full Names	interferon alpha 21
NCBI Official Symbol	IFNA21
NCBI Official Synonym Symbols	LeIF F; leIF-F; IFN-alphaI
UniProt Protein Name	Interferon alpha-21
UniProt Synonym Protein Names	Interferon alpha-F; LeIF F
UniProt Gene Name	IFNA21
UniProt Synonym Gene Names	IFN-alpha-21; LeIF F
UniProt Entry Name	IFN21_HUMAN
NCBI Protein Information	interferon alpha-21
NCBI Summary for IFN21	This gene is a member of the alpha interferon gene cluster on the short arm of chromosome 9. Interferons are cytokines produced in response to viral infection that mediate the immune response and interfere with viral replication. The encoded protein is a type I interferon and may play a specific role in the antiviral response to rubella virus. [provided by RefSeq, Sep 2011]

UniProt Comments for IFN21	IFNA21: Produced by macrophages, IFN-alpha have antiviral activities. Interferon stimulates the production of two enzymes: a protein kinase and an oligoadenylate synthetase. Belongs to the alpha/beta interferon family. Protein type: Cytokine; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 9p22 Cellular Component: extracellular region; extracellular space Molecular Function: cytokine activity; hematopoietin/interferon-class (D200-domain) cytokine receptor binding; interferon-alpha/beta receptor binding Biological Process: adaptive immune response; B cell differentiation; B cell proliferation; blood coagulation; cytokine and chemokine mediated signaling pathway; humoral immune response; innate immune response; natural killer cell activation during immune response; positive regulation of peptidyl-serine phosphorylation of STAT protein; response to exogenous dsRNA; T cell activation during immune response
Research Articles on IFN21	**1.** Structural AA changes in the C-helix interacting with IFNAlphaR1 may change the signaling dynamics leading to elevated APOBEC3 & lower IDO by an engineered mutant derived from the amino-terminal region of IFNalpha21b and the COOH-terminus from IFNalpha2c.
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