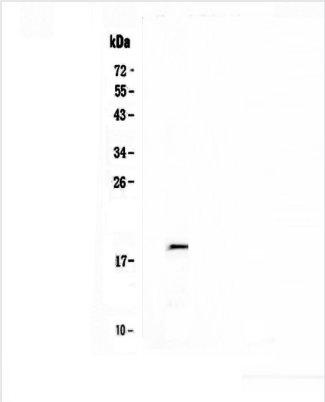
IL32 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IL32, Polyclonal Antibody
Full Product Name	Anti-IL32 Picoband antibody
Product Gene Name	anti-IL32 antibody
Product Synonym Names	Interleukin-32; IL-32; Natural killer cells protein 4; Tumor necrosis factor alpha-inducing factor; IL32; NK4; TAIF
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human No cross reactivity with other proteins.
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.
Molecular Weight	17,003 Da
OMIM	M59807 mRNA
3D Structure	ModBase 3D Structure for P24001
Immunogen	E Coli-derived human IL32 recombinant protein (Position: A31-K234).
Subcellular Localization	Secreted.
Tissue Specificity	Selectively expressed in lymphocytes. Expression is more prominent in immune cells than in non-immune cells.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-IL32 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-IL32 antibody	WB: 0.1-0.5mug/ml ELISA(Cap): 1-5mug/ml
Related Product Information for anti-IL32 antibody	Description: Interleukin 32 (Il32) is a protein that in humans is encoded by the IL32 gene. This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Protein Function: Cytokine that may play a role in innate and adaptive immune responses. It induces various cytokines such as TNFA/TNF- alpha and IL8. It activates typical cytokine signal pathways of NF-kappa-B and p38 MAPK.
Other Notes	Small volumes of anti-IL32 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 IL32 purchase	MBS1750825 is an antibody targeting IL32. Also known as Anti-IL32 Picoband antibody. Reactive in Human No cross reactivity with other proteins.. Host: Rabbit.



Western Blot (WB) of anti-IL32 antibody
Figure 1. Western blot analysis of IL32 using anti-IL32 antibody (MBS1750825).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours.Lane 1: recombinant human IL32 protein 1ng.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL32 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IL32 at approximately 19KD. The expected band size for IL32 is at 15KD.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IL32. It may not necessarily be applicable to this product.

NCBI GI #	61639466
NCBI GeneID	9235
NCBI Accession #	NP_001012649.1
UniProt Primary Accession #	P24001
UniProt Secondary Accession #	Q5VFH7; Q5VFH8; Q8WV38; Q96GK9; A6NNM0; A8MPX0; B4DJM1; B8Q191; D3DUB0; D3DUB2
UniProt Related Accession #	P24001
GenBank Nucleotide #	NM_001012631.1
NCBI Official Full Name	interleukin-32 isoform B
NCBI Official Synonym Full Names	interleukin 32
NCBI Official Symbol	IL32
NCBI Official Synonym Symbols	NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd; IL-32beta; IL-32alpha; IL-32delta; IL-32gamma
UniProt Protein Name	Interleukin-32
UniProt Synonym Protein Names	Natural killer cells protein 4; Tumor necrosis factor alpha-inducing factor
Protein Family	Interleukin
UniProt Gene Name	IL32
UniProt Synonym Gene Names	NK4; TAIF; IL-32
NCBI Protein Information	interleukin-32

NCBI Summary for IL32	This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
UniProt Comments for IL32	Cytokine that may play a role in innate and adaptive immune responses. It induces various cytokines such as TNFA/TNF-alpha and IL8. It activates typical cytokine signal pathways of NF-kappa-B and p38 MAPK.
Research Articles on IL32	**1.** In Kaposi sarcoma (KS) splicing ratio of the IL-32 isoforms showed IL-32gamma as the highest expressed isoform, followed by IL-32beta, in HIV-related KS cases compared with controls. Our data suggest a possible survival mechanism by the splicing of IL-32gamma to IL-32beta and also IL-6, IL-8, and CXCR1 signaling pathways to reverse the proapoptotic effect of the IL-32gamma isoform, leading to tumor cell survival and th...
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