Datasheet for ABIN964766

anti-IL-32 alpha antibody (HRP)

1 Image

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Overview

Quantity:	100 µg
Target:	IL-32 alpha (IL32A)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-32 alpha antibody is conjugated to HRP
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-32A protein. Immunogen Type: RecombinantProtein
Isotype:	IgG
Specificity:	This purified antibody has been heated to 56°C for 30 minutes. In ELISA and other immunoreactive assays, this antibody will recognize both native and recombinant human IL-32A in cell supernatants and certain body fluids. A control of similarly diluted normal rabbit IgG is recommended.
Characteristics:	IL-32A (also known as Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, IL32alpha, Interleukin-32 and IL-32 isoform 4) is a member of the cytokine family. IL-32a is a secreted protein selectively expressed in lymphocytes and plays a role in innate and adaptive immune responses. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence.

Product Details

	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 and IL-8. It induces typical cytokine pathways of NF-kB and p38 MAPK. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Purification:	purified

Target Details

Target:	IL-32 alpha (IL32A)
Alternative Name:	IL-32A (IL32A Products)
Background:	IL-32A (also known as Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, IL32α, Interleukin-32 and IL-32 isoform 4) is a member of the cytokine family. IL-32a is a secreted protein selectively expressed in lymphocytes and plays a role in innate and adaptive immune responses. 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 TNFα and IL-8. It induces typical cytokine pathways of NF-kB and p38 MAPK. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Synonyms: IL-32A, Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, IL32α, Interleukin-32 and IL-32 isoform 4, HRP
Gene ID:	9235, 61658634
UniProt:	P24001

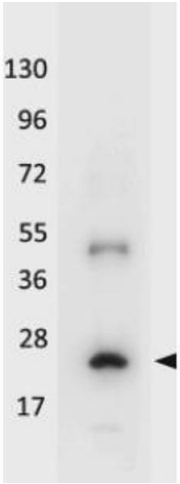
Application Details

Application Notes:	This purified antibody has been tested for use in ELISA and western blotting. By western blot a band approximately 15 kDa in size corresponding to native human IL-32α protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
Comment:	Gene Name: IL32
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 100 µL
Concentration:	1.0 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative:	Gentamicin sulfate
Handling Advice:	Do NOT add Sodium Azide!
Storage:	4 °C/-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -20 °C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4 °C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Western blot using HRP conjugated anti-Human IL-32A antibody shows detection of a band ~19 kDa in size corresponding to recombinant human IL-32A. The identity of the higher molecular weight band is unknown. Molecular weight markers are shown (left). After transfer, the membrane was blocked with 3% BSA in TBS followed by reaction with antibody at a 1:5,000 dilution for 30 min at room temperature. Detection occurred using TMB substrate.