

Datasheet for 209-403-B49**IL-32A Antibody Peroxidase Conjugated****Overview**

Description:	Anti-Human IL-32A (RABBIT) Antibody Peroxidase Conjugated - 209-403-B49
Item No.:	209-403-B49
Size:	100 µg
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	IL-32A (also known as Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, IL32 α , 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 TNF α 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:	rabbit anti-IL-32A peroxidase antibody, rabbit anti-interleukin-32A HRP antibody, Natural killer cells protein 4, Tumor necrosis factor alpha-inducing factor, IL32 α , Interleukin-32, IL-32 isoform 4
Host Species:	Rabbit
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	IL32
Reactivity:	Human

Immunogen Type:	Recombinant Protein
Immunogen:	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-32A protein.
Purity/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.
Relevant Links:	• UniProtKB - P24001 • NCBI - 61658634 • GeneID - 9235

Application Details

Tested Applications:	WB
Application Note:	This purified antibody has been tested in western blotting and suitable for ELISA. By western blot a band approximately 15 kDa in size corresponding to native human IL-32 α protein is expected in the appropriate cell lysate or extract. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000

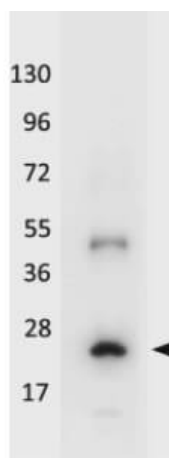
Formulation

Physical State:	Lyophilized
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	100 μ L
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	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:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot using Rockland's 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.

Disclaimer

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