

Anti-IL-32A Antibody Peroxidase Conjugated

Catalog Number: A03286-1

About IL32

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. 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.

Overview

Product Name	Anti-IL-32A Antibody Peroxidase Conjugated
Reactive Species	Human
Description	Boster Bio Anti-IL-32A Antibody Peroxidase Conjugated (Catalog # A03286-1). Tested in WB applications. This antibody reacts with Human.
Conjugate	HRP
Application	WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free, 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Storage Instructions	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. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	P24001

Technical Details

Immunogen	This purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full length recombinant human IL-32A protein.
Predicted Reactive Species	Bovine, Pufferfish, Zebrafish
Isotype	IgG

Form	Lyophilized
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	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.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA: 1:10,000 - 1:50,000</p> <p>IHC: 1:500 - 1:2,500</p> <p>WB: 1:1,000 - 1:5,000</p>

Anti-IL-32A Antibody Peroxidase Conjugated (A03286-1) Images

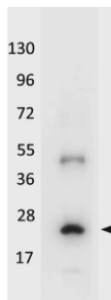


Figure 1. Western blot analysis of IL32 using anti-IL32 antibody (A03286-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins 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 (Catalog # A03286-1) at 0.5 ug/mL overnight at 4°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 (Catalog # SA1022) with Tanon 5200 system. A specific band was detected for IL32.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-IL-32A Antibody Peroxidase Conjugated