

Anti-IKB epsilon/Nfkbie Antibody Picoband™

Catalog Number: A07073-1

About Nfkbie

Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon, also known as NFKBIE, is a protein which in humans is encoded by the NFKBIE gene. Predicted to be involved in D-serine transport. Predicted to act upstream of or within negative regulation of transcription, DNA-templated. Predicted to be located in several cellular components, including Golgi apparatus; nuclear lumen; and perinuclear region of cytoplasm. Is expressed in several structures, including central nervous system; dorsal root ganglion; eye; genitourinary system; and thymus. Orthologous to human NFKBIE (NFKB inhibitor epsilon).

Overview

Product Name	Anti-IKB epsilon/Nfkbie Antibody Picoband™
Reactive Species	Mouse
Description	Boster Bio Anti-IKB epsilon/Nfkbie Antibody Picoband™ catalog # A07073-1. Tested in ELISA, WB applications. This antibody reacts with Mouse.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O54910

Technical Details

Immunogen	E.coli-derived mouse IKB epsilon/Nfkbie recombinant protein (Position: Q111-D364).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blot, 0.25-0.5 ug/ml/ml, Mouse

Direct ELISA, 0.1-0.5 ug/ml/ml, Mouse

Anti-IKB epsilon/Nfkbie Antibody Picoband™ (A07073-1) Images

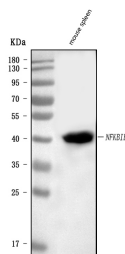


Figure 1. Western blot analysis of IKB epsilon/Nfkbie using anti-IKB epsilon/Nfkbie antibody (A07073-1). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: mouse spleen tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-IKB epsilon/Nfkbie antigen affinity purified polyclonal antibody (Catalog # A07073-1) 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 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for IKB epsilon/Nfkbie at approximately 41 kDa. The expected band size for IKB epsilon/Nfkbie is at 53 kDa.

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