BOSTER BIOLOGICAL TECHNOLOGY
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Anti-IKB alpha NFKBIA Rabbit Monoclonal Antibody

Catalog Number: M01139

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Overview

Product Name	Anti-IKB alpha NFKBIA Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-IKB alpha NFKBIA Rabbit Monoclonal Antibody catalog # M01139. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal HO-14
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P25963

Technical Details

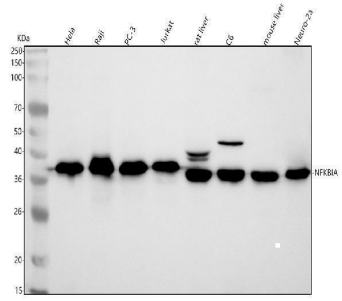
Immunogen	A synthesized peptide derived from human IKB alpha
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB, 1:500-2000

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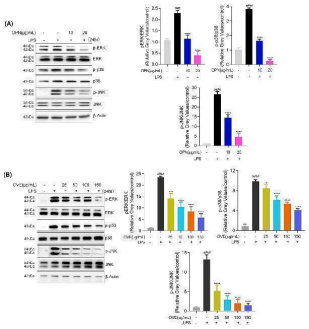
	IHC, 1:50-200 ICC/IF, 1:50-200 IP, 1:30

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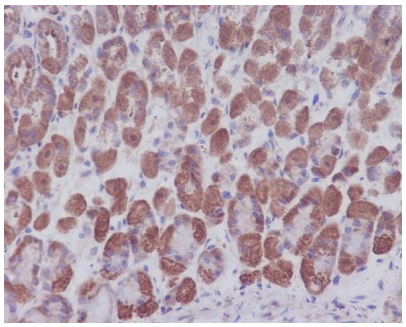
Anti-IKB alpha NFKBIA Rabbit Monoclonal Antibody (M01139) Images



Western blot analysis of IKB alpha using anti-IKB alpha antibody (M01139). 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: human Hela whole cell lysates, Lane 2: human Raji whole cell lysates, Lane 3: human PC-3 whole cell lysates, Lane 4: human Jurkat whole cell lysates, Lane 5: rat liver tissue lysates, Lane 6: rat C6 whole cell lysates, Lane 7: mouse liver tissue lysates, Lane 8: mouse Neuro-2a whole cell 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 alpha antigen affinity purified monoclonal antibody (Catalog # M01139) at 1:500 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 1:1000 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 alpha at approximately 36, 39 kDa. The expected band size for IKB alpha is at 36 kDa.

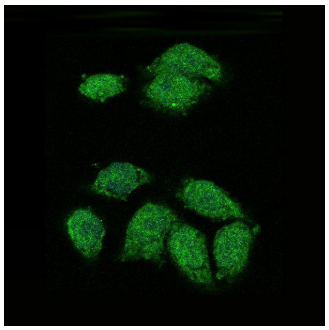


Effects of OPN and OVE on activation of MAPK signaling pathways in LPS-stimulated RAW264.7 cells. Expression levels of p-ERK, ERK, p-p38, p-38, p-JNK, and JNK were detected in the same samples for COX-2 detection after 24 h of LPS stimulation. (A) OVE treatment. (B) OPN treatment. All experiments were carried out in triplicates and data are presented as means ± SDs; one-way ANOVA analysis was adopted for multiple comparisons; ###P < 0.001, ####P < 0.0001, compared to the untreated control group; ***P < 0.001 and ****P < 0.0001, compared to the LPS control group. Index in PubMed under a CC BY license. PMID: 39455284



Immunohistochemical analysis of paraffin-embedded mouse stomach, using IKB alpha Antibody(M01139)NFKBIA was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-NFKBIA Antibody (M01139)overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

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Immunofluorescent analysis of Hela cells, using IKB alpha Antibody .

3 Publications Citing This Product

1. PubMed ID: 27350130, Rumen-derived lipopolysaccharide enhances the expression of lingual antimicrobial peptide in mammary glands of dairy cows fed a high-concentrate diet

2. PubMed ID: 26046540, Downregulation of TNIP1 Expression Leads to Increased Proliferation of Human Keratinocytes and Severer Psoriasis-Like Conditions in an Imiquimod-Induced Mouse Model of Dermatitis

3. PubMed ID: 24889421, N-acetylcysteine reduces oxidative stress, nuclear factor-?B activity and cardiomyocyte apoptosis in heart failure

Visit bosterbio.com/anti-ikb-alpha-rabbit-monoclonal-antibody-m01139-boster.html to see all 3 publications.

Anti-IKB alpha NFKBIA Rabbit Monoclonal Antibody

For Research Use Only. Not for use in diagnostic procedures.