

Anti-IKB alpha/NFKBIA Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9291-Fluoro488

About NFKBIA

NFKBIA, also called IKBA or MAD-3, is one member of a family of cellular proteins that function to inhibit the NF-kappaB transcription factor. It is mapped to 14q13.2. NFKBIA inhibits NF-kappaB by masking the nuclear localization signals (NLS) of NF-kappaB proteins and keeping them sequestered in an inactive state in the cytoplasm. It moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. The effect of the nonpathogenic bacteria is specific to the SCF complex substrates CTNNB1 and NFKBIA. This may help to explain the beneficial effects of treatment of inflammatory bowel disease with nonpathogenic probiotic enteric organisms. In addition, NFKBIA blocks the ability of NF-kappaB transcription factors to bind to DNA, which is required for NF-kappaB's proper functioning.

Overview

Product Name	Anti-IKB alpha/NFKBIA Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P25963

Technical Details

Immunogen	E.coli-derived human IKB alpha recombinant protein (Position: Q3-Q112). Human IKB alpha shares 87% and 86% amino acid (aa) sequence identity with mouse and rat IKB alpha, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

13 Publications Citing This Product

1. PubMed ID: 10.1620/tjem.222.7, Growth Hormone Releasing Peptide-2, a Ghrelin Agonist, Attenuates Lipopolysaccharide-Induced Acute Lung Injury in Rats
2. PubMed ID: 10.3109/13880209.2014.898075, Effect of ammonium pyrrolidine dithiocarbamate (PDTC) on NF-kappaB activation and CYP2E1 content of rats with immunological liver injury
3. PubMed ID: 10.1111/j.1745-7270.2006.00136.x, Regulatory Peptides Modulate Adhesion of Polymorphonuclear Leukocytes to Bronchial Epithelial Cells through Regulation of Interleukins, ICAM-1 and NF-kappaB/IkappaB

Visit bosterbio.com/anti-ikb-alpha-picoband-trade-antibody-pb9291-boster.html to see all 13 publications.

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