

## Anti-IKK beta/IKBKB Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PA2036-1-Fluoro647

### About IKBKB

IKBKB (Inhibitor of Kappa Light Chain Gene Enhancer in B Cells, Kinase of, Beta), also known as IKK $\beta$  or NFKB1KB, is a protein that in humans is encoded by the IKBKB gene. Shindo et al. (1998) mapped the IKBKB gene to chromosome 8p12-p11 by FISH. Mercurio et al. (1997) found that mutations in IKK2 had a more pronounced effect upon NF $\kappa$ B activation than did comparable mutations in IKK1. Yin et al. (1998) tested the activity of various antiinflammatory agents on the IKK complex. They demonstrated that aspirin and sodium salicylate specifically inhibit IKK-beta activity in vitro and in vivo by binding to IKK-beta to reduce ATP binding.

### Overview

Product Name	Anti-IKK beta/IKBKB Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O14920

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human IKK beta, identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

### 3 Publications Citing This Product

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1. PubMed ID: 10.3390/antiox10020176, Gastro-Protective Effects of Albizia anthelmintica Leaf Extract on Indomethacin-Induced Gastric Ulcer in Wistar Rats: In Silico and In Vivo Studies

2. PubMed ID: 10.1016/j.ejphar.2020.173136, Prolonged overnutrition with fructose or fat induces metabolic derangements in rats by disrupting the crosstalk between the hypothalamus and periphery: Possible amelioration with fenofibrate

3. PubMed ID: 33530540, Nabil M, El Raey MA, Abdo W, Abdelfattah MAO, El-Shazly AM, Sobeh M, Mahmoud MF. Gastro-Protective Effects of Albizia anthelmintica Leaf Extract on Indomethacin-Induced Gastric Ulcer in Wistar Rats: In Silico and In Vivo Studies. Antioxidants (Basel). 202

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