



IKAP (IkB Associated Protein)

Catalog number

I2300-09

Supplier

United States Biological

The transcription factor NF-kappa B coordinates the activation of numerous genes in response to pathogens and pro-inflammatory cytokines, and is, therefore, vital in the development of acute and chronic inflammatory diseases. NF-kappa B is activated by cytokine-activated IKB kinases (IKKs); IKK-alpha and IKK-beta isozymes are found in large complexes. These large, interleukin-1-inducible IKK complexes have been found to contain a new protein, termed IKK-complex-associated protein (IKAP), which can bind NIK and IKKs and assemble them into an active kinase complex. IKAP is a scaffold protein and a regulator for 3 different kinases involved in pro-inflammatory cytokine signaling.

Applications

Suitable for use in Western Blot. Other applications not tested.

Recommended Dilution

Optimal dilutions to be determined by the researcher.

Storage and Stability

May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot Store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Amino acid residues 148-161 IHQDDFGESKFITV of human IKAP. Crossreactivity: sequence 92% identical to rat and 85% identical to mouse.

Formulation

PBS with 0.02% sodium azide

Purity

Purified

Specificity

Reacts with the N terminus of IKAP. Species Crossreactivity: Human. Other species have not been tested.

Product Type

Pab

Source

human

Isotype



IgG

Grade

Purified

Applications

WB

Crossreactivity

Hu

Storage

-20°C

Reference

1. Cohen, L., et al. Nature. Sept 17; 395(6699): 225 (1998)