QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-IKKα Antibody

ORDERING INFORMATION

Catalog No.: 2115

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chromatography.

BACKGROUND

Nuclear factor kappa B (NF-κB) is a ubiquitous transcription factor and key mediator of gene expression during immune and inflammatory responses. NF-κB activates numerous genes in response to extracellular stimuli, such as IL-1, TNFα, and LPS. NF-κB is associated with IκB in cytoplasm, which inhibits NF-κB activity. IκB kinase (IKK), which phosphorylates IκB and mediates IκB degradation and NF-κB activation, was recently identified. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKKα and IKKβ). IKKα and IKKβ interact with each other, and both are essential for NF-B activation. IKKα specifically phosphorylates IκB-α and is expressed in a variety of human tissues.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 699-715 of human IKKα which differs from the corresponding murine sequence by one amino acid.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human IKKα (85 kD). No cross-reactivity with IKKβ or IKKγ.

APPLICATIONS

Immunoblotting: use at 1:500-1:1,000 dilution.

Positive control: Whole cell lysate from HeLa or Jurkat cells.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

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