

Anti-IKK α Antibody

ORDERING INFORMATION

Catalog No.: 2025

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

BACKGROUND

Nuclear factor kappa B (NF- κ B) is a ubiquitous transcription factor and key mediator of gene expression during immune and inflammatory responses. NF- κ B activates numerous genes in response to extracellular stimuli, such as IL-1, TNF α , and LPS. NF- κ B is associated with I κ B in cytoplasm, which inhibits NF- κ B activity. I κ B kinase (IKK), which phosphorylates I κ B and mediates I κ B degradation and NF- κ B activation, was recently identified. IKK is a serine protein kinase, and the IKK complex contains alpha and beta subunits (IKK α and IKK β). IKK α and IKK β interact with each other, and both are essential for NF- κ B activation. IKK α specifically phosphorylates I κ B- 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 716-734 of human IKK α which differs from the corresponding murine sequence by four amino acids.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human IKK α (85 kD). No cross-reactivity with IKK β or IKK γ .

APPLICATIONS

Immunoblotting: use at 1:1,000-1:2,000 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.