

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-IKK ϵ (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2329

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chroma-tography.

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 is phos-phorylated by the I κ B kinase (IKK) complex which contains IKK α , IKK β , and IKK γ . A novel molecule in the IKK complex, designated IKK ϵ , is required for the activation of NF- κ B by PMA and T cell receptors but not TNF α and IL-1. IKK ϵ is expressed in a variety of tissues and is inducible by TNF α , IL-1, and LPS.

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

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 705-716 of human IKK ϵ .

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human IKK ϵ (80 kD). No cross-reactivity with IKK α , IKK β or IKK γ .

APPLICATIONS

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

Positive control: Whole cell lysate from 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.