

Anti-IRAK (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2426

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 , LPS, oxidative stress, and mitogens. NF- κ B is associated with I κ B in cytoplasm. After stimulation, I κ B is phosphorylated and dissociates from NF- κ B. NF- κ B enters cell nuclei where it activates an array of genes. A serine/threonine protein kinase associated with IL-1 receptor (IRAK) mediates a signaling cascade leading to NF- κ B activation. IRAK is associated with IL-1 receptor subunits IL-1RI and IL-1RacP and serves as a signaling molecule to mediate IL-1 responses. IRAK also mediates IL-18-induced NF- κ B activation.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding the C-terminus of human IRAK.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes full-length human IRAK (80 kD).

APPLICATIONS

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

Immunoprecipitation: use 2-4 ug antibody per sample.

Positive control: Whole cell lysate from HeLa cells or THP-1 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.

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