

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-IRAK2 (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2213

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

BACKGROUND

The pro-inflammatory cytokine IL-1 induces cellular responses through two subunits of its receptor, IL-1 receptor 1 (IL-1R1) and IL-1 receptor accessory protein (IL-1RacP). IL-1 receptor-associated kinase (IRAK) mediates activation of NF- κ B, a key transcription factor that mediates inflammatory and immune responses. A novel member of the IRAK/Pelle family was recently identified and designated IRAK2. Both IRAK and IRAK2 associate with the subunits of the IL-1R complex after IL-1 binding and lead to NF- κ B activation. IRAKs also associate with Toll-like receptor (TLR) and the dominant negative mutants of IRAKs inhibit LPS-induced NF- κ B activation. Members of the IRAK/Pelle family play a central role in IL-1R and TLR-mediated inflammatory responses to IL-1 and LPS. IRAK2 is expressed in a variety of human tissues.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 571-590 of human IRAK2.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human IRAK2 (65 kD). No cross-reactivity with IRAK.

APPLICATIONS

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

Positive control: Whole cell lysate from HeLa cells or K562 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.