

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Anti-NIK (CT) Antibody

### ORDERING INFORMATION

**Catalog No.:** 1129

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

### BACKGROUND

Nuclear factor kappa B (NF- $\kappa$ B) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF- $\kappa$ B mediates the expression of a great variety of genes in response to extracellular stimuli including IL-1, TNF $\alpha$ , LPS, and mitogens. A serine/threonine protein kinase which mediates NF- $\kappa$ B activation by IL-1, TNF $\alpha$ , and CD95 has been identified and designated NIK (for NF- $\kappa$ B inducing kinase). NIK is an activator of I $\kappa$ B kinase alpha and beta (IKK $\alpha$  and IKK $\beta$ ).

Therefore, NIK is a key molecule in the NF- $\kappa$ B signaling pathway leading to the expression of a variety of gene products in response to pro-inflammatory cytokines and bacterial products.

### SPECIFICATION SUMMARY

**Antigen:** Peptide corresponding to aa 931-947 of human NIK.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** 0.02% sodium azide.

### SPECIFICITY

This antibody recognizes human NIK.

### APPLICATIONS

*Immunoblotting:* use at 1:500 dilution.

*Positive control:* Whole cell lysate of 293 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.*