

# QED Bioscience Inc.

ADVANCED ANTIBODY TECHNOLOGIES

## Ku70 Polyclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 56252

**Size:** 100 ul polyclonal antiserum.

### SPECIFICATION SUMMARY

**Antigen:** Recombinant protein corresponding to a C-terminal fragment of human Ku70 expressed in E. coli.

**Host Species:** Rabbit

**Antibody Class:** Polyclonal

**Stabilizers:** None

**Preservatives:** None. Available on request.

### SPECIFICITY

This antiserum recognizes the human nuclear protein Ku70 which exists as a heterodimer with Ku80. These proteins bind to DNA ends at double-strand breaks. The Ku proteins interact with the DNA-dependent protein kinase (DNA-PK) and participate in targeting of DNA-PK to DNA. The Ku proteins are also associated with DNA repair and replication, cell signaling, proliferation, transcriptional activation, and apoptosis.

### APPLICATIONS

*Immunoblotting:* use at 1:2,500 dilution.

A band of 70 kD is detected.

*Positive controls:* HeLa and Raji whole cell lysates.

### 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 -70°C. Avoid multiple freeze-thaw cycles.

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