

# QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

## Anti- Kos1 Antibody

### ORDERING INFORMATION

**Catalog No.:** 28108

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

### BACKGROUND

Kinase of embryonic stem cells (Kos1) is a non-receptor protein tyrosine kinase (NRPTK) and a new member of the Ack family of NRPTKs. Kos1 is a ubiquitously expressed 47-kDa protein with autotyrosine kinase activity that is developmentally regulated during embryogenesis. Kos1 is also upregulated following IL3 withdrawal from factor-dependent murine NSF/N1.H7 cells that undergo apoptosis, suggesting a role in growth inhibition. Data support a negative regulatory role for Kos1 in regulating the Ras-Raf1-MAPK growth pathway by a mechanism that requires its autotyrosine kinase activity.

### SPECIFICATION SUMMARY

**Immunogen:** Synthetic peptide corresponding to amino acids 421-434 (QNQVQSLPAGSAEP) of mouse Kos1 conjugated to KLH at the N-terminus.

**Host Species:** Rabbit

**Stabilizers:** None

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

### SPECIFICITY

This antibody recognizes mouse Kos1 protein.

### APPLICATIONS

*Immunoblotting:* use at 1:500 dilution. A band of approximately 47 kDa is detected.

Positive control: transfected cell lysate.

### 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.

### BACKGROUND REFERENCE

Hoare, K et al. (2003) Oncogene 22: 3562-3577.

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