

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.