

Anti-ZIP Kinase Antibody

ORDERING INFORMATION

Catalog No.: 2431

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

BACKGROUND

A novel serine/threonine kinase that mediates apoptosis has been identified and designated ZIP kinase. ZIP kinase contains an N-terminal kinase domain and a C-terminal leucine zipper structure and binds to ATF4, a member of ATF/CREB family. ZIP kinase has high sequence homology to DAP kinase (death-associated protein kinase), a mediator of apoptosis induced by gamma interferon. Overexpression of ZIP kinase induces apoptosis. ZIP and DAP kinases represent a novel kinase family which mediates apoptosis through their catalytic activities. Messenger RNA for ZIP kinase is widely expressed in a variety of human tissues.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 279-298 of human ZIP kinase (accession no. BAA81746).

Host Species: Rabbit

Stabilizers: None

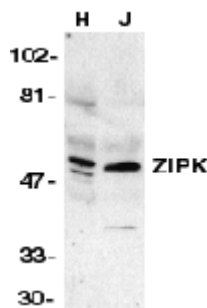
Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes full-length human, mouse, and rat ZIP kinase (52kDa).

APPLICATIONS

Immunoblotting: use at 1ug/ml.



Western blot analysis of ZIP kinase in HeLa (H) and Jurkat (J) cell lysates with ZIP kinase antibody at 1μg/ml.

Positive control: HeLa cell lysate.

Immunocytochemistry: use at 10ug/ml.



Immunocytochemical staining of ZIP kinase in Jurkat cells with ZIP kinase antibody at 10μg/ml.

These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

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.