

Anti-ZIP Kinase Antibody

ORDERING INFORMATION

Catalog No.: 2431

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

BACKGROUND

Apoptosis is mediated by death domain-containing adapter molecules and a caspase family of proteases. Certain serine/threonine protein kinases, such as ASK-1 and RIP, are mediators of apoptosis. A novel serine/threonine kinase that mediates apoptosis was recently 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.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes full-length human ZIP kinase (52 kD).

APPLICATIONS

Immunoblotting: use at 1:1,000 dilution.

Positive control: Whole cell lysate from HeLa 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.