BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-ZIPK DAPK3 Antibody

Catalog Number: A03300-1

About DAPK3

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 that is a member of ATF/CREB family. ZIP kinase has high sequence homology to DAP kinase (death-associated protein kinase), which is 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. The messenger RNA was ubiquitously expressed in various tissues.

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Overview

Product Name	Anti-ZIPK DAPK3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ZIPK DAPK3 Antibody (Catalog # A03300-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	ZIPK Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	ZIPK antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O43293

Technical Details

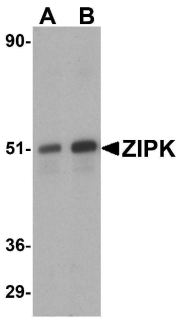
Immunogen	ZIP kinase antibody was raised against a peptide corresponding to amino acids near the center of human ZIP kinase. The immunogen is located within amino acids 270 - 320 of ZIPK.
Predicted Reactive Species	Rat

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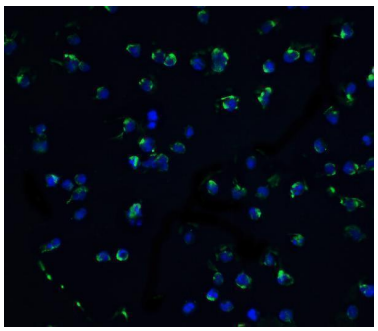
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ZIPK Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ZIPK antibody can be used for detection of DNase II expression by Western blot at 1 ug/mL. An approximate 40 kDa band can be detected, which represents the pro-enzyme of DNase II. Antibody can also be used for immunocytochemistry starting at 5 ug/mL. For immunofluorescence start at 5 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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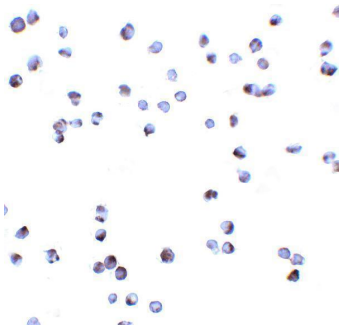
Anti-ZIPK DAPK3 Antibody (A03300-1) Images



Western blot analysis of ZIP kinase in (A) HeLa and (B) Jurkat lysates with ZIP kinase antibody at 1 ug/mL.



Immunofluorescence of ZIPK in Jurkat cells with ZIPK antibody at 10 ug/mL.



Immunocytochemistry of ZIPK in Jurkat cells with ZIPK antibody at 10 ug/mL.

Anti-ZIPK DAPK3 Antibody

For Research Use Only. Not for use in diagnostic procedures.