

Anti-ZIP Kinase/Dapk3 Antibody Picoband®

Catalog Number: A03300-3

About Dapk3

Death-associated protein kinase 3 is an enzyme that in humans is encoded by the DAPK3 gene. Death-associated protein kinase 3 (DAPK3) induces morphological changes in apoptosis when overexpressed in mammalian cells. These results suggest that DAPK3 may play a role in the induction of apoptosis.

Overview

Product Name	Anti-ZIP Kinase/Dapk3 Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-ZIP Kinase/Dapk3 Antibody Picoband® catalog # A03300-3. Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, Flow Cytometry, IF, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O54784

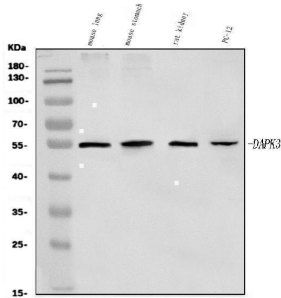
Technical Details

Immunogen	E.coli-derived mouse ZIP Kinase/Dapk3 recombinant protein (Position: R290-R448).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for ICC.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

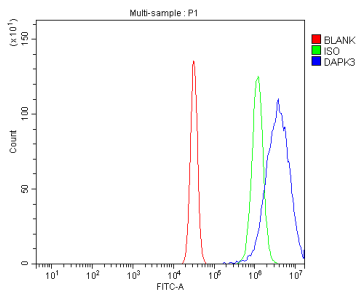
Suggested Dilutions

Western blot, 0.25-0.5 ug/ml, Mouse, Rat
Immunocytochemistry/Immunofluorescence, 5 ug/ml, Mouse
Flow Cytometry (Fixed), 1-3 ug/1x10⁶ cells, Mouse
ELISA, 0.1-0.5 ug/ml, -

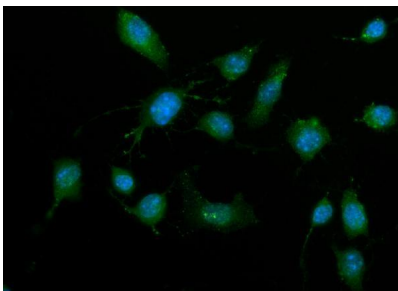
Anti-ZIP Kinase/Dapk3 Antibody Picoband® (A03300-3) Images



Western blot analysis of ZIP Kinase/Dapk3 using anti-ZIP Kinase/Dapk3 antibody (A03300-3). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: mouse lung tissue lysates, Lane 2: mouse stomach tissue lysates, Lane 3: rat kidney tissue lysates, Lane 4: rat PC-12 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ZIP Kinase/Dapk3 antigen affinity purified polyclonal antibody (Catalog # A03300-3) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for ZIP Kinase/Dapk3 at approximately 53 kDa. The expected band size for ZIP Kinase/Dapk3 is at 53 kDa.



Flow Cytometry analysis of HEPA1-6 cells using anti-ZIP Kinase/Dapk3 antibody (A03300-3). Overlay histogram showing HEPA1-6 cells stained with A03300-3 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ZIP Kinase/Dapk3 Antibody (A03300-3, 1 ug/1x10⁶ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF analysis of ZIP Kinase/Dapk3 using anti-ZIP Kinase/Dapk3 antibody (A03300-3). ZIP Kinase/Dapk3 was detected in an immunocytochemical section of RM-1 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-ZIP Kinase/Dapk3 Antibody (A03300-3) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-ZIP Kinase/Dapk3 Antibody

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