

Product datasheet for **TA305981**

ZIP Kinase (DAPK3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 10 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
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.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	death associated protein kinase 3
Database Link:	BAA81746 Entrez Gene 1613 Human O43293



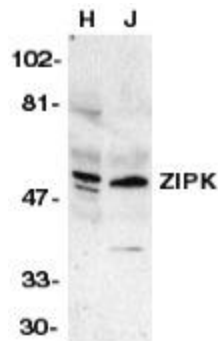
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Background:

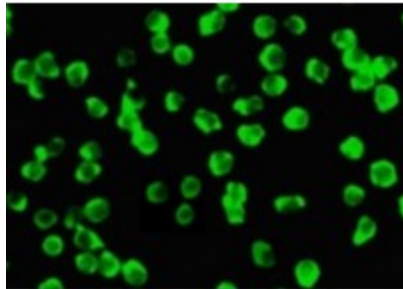
Apoptosis is mediated by death domain containing adapter molecules and a caspase family of proteases. Certain serine/threonine protein kinases, such as ASK-1 and RIP, are mediators of apoptosis. A novel serine/threonine kinase that mediates apoptosis was recently identified and designated ZIP kinase. ZIP kinase contains an N-terminal kinase domain and a C-terminal leucine zipper structure and binds to ATF4 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.

Synonyms:

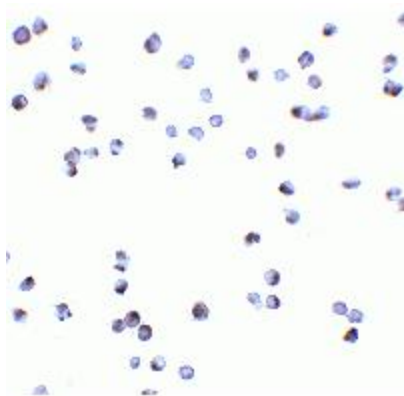
DLK; ZIP; ZIPK

Product images:

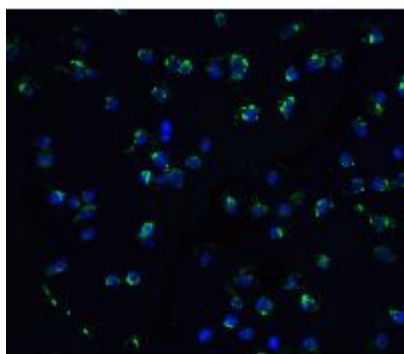
Western blot analysis of ZIP kinase in HeLa (H) and Jurkat (J) whole cell lysates with ZIP kinase antibody at 1 ug/mL.



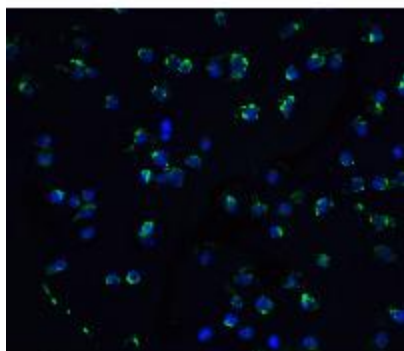
Immunofluorescence of ZIPK in Jurkat cells with ZIPK antibody at 10ug/ml.



Immunocytochemistry of ZIPK in Jurkat cells with ZIPK antibody at 5ug/ml.



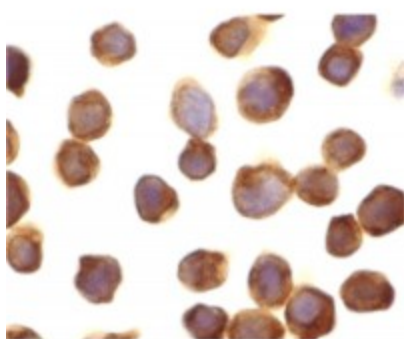
Immunofluorescence of ZIPK in Jurkat cells with ZIPK antibody at 5ug/ml.



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



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



Immunocytochemistry of ZIP kinase in Jurkat cells with ZIP kinase antibody at 10ug/ml.