

Product datasheet for **AP21094PU-M**

ZIP Kinase (DAPK3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of ZIPkinase protein. (region surrounding Lys261)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 52 kDa
Gene Name:	death associated protein kinase 3
Database Link:	<u>Entrez Gene 13144 Mouse</u> <u>Entrez Gene 64391 Rat</u> <u>Entrez Gene 1613 Human</u> <u>O43293</u>



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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 ASK1 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:

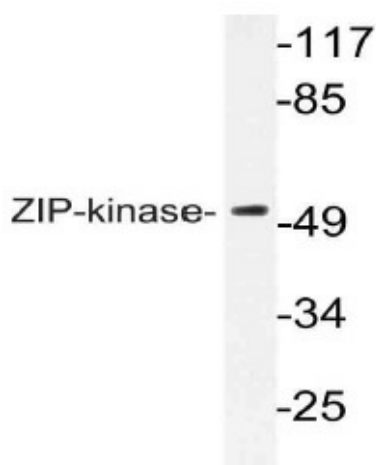
DAP kinase 3, ZIP-kinase, DLK

Protein Families:

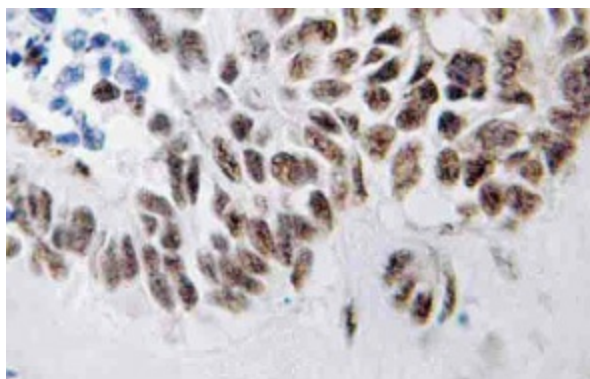
Druggable Genome, Protein Kinase

Protein Pathways:

Bladder cancer, Pathways in cancer

Product images:


Western blot (WB) analysis of ZIP-kinase antibody (Cat.-No.: [AP21094PU-N]) in extracts from HuvEc cells.



Immunohistochemistry (IHC) analysis of ZIP-kinase antibody (Cat.-No.: [AP21094PU-N]) in paraffin-embedded human lung carcinoma tissue.