

For Research Use Only

Phospho-ZIPK (Ser311) Polyclonal antibody



Catalog Number: 51021-1-AP

1 Publications

Basic Information

Catalog Number:

51021-1-AP

Size:

100ul , Concentration: 700 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC126430

GeneID (NCBI):

1613

UNIPROT ID:

O43293

Full Name:

death-associated protein kinase 3

Calculated MW:

52.5 kDa

Observed MW:

52.5 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HEK-293 cells,

IP : HEK-293 cells,

IHC : human breast cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DAPK3(Death-associated protein kinase 3) is also named ZIPK(Zipper-interacting protein kinase), and DLK (DAP-like kinase). It is a member of the death-associated protein kinase family associated with apoptosis in nonmuscle cells where it phosphorylates myosin regulatory light chain (RLC) to promote membrane blebbing. DAPIK3 mRNA and protein are abundant in heart tissue and isolated ventricular neonatal rat cardiac myocytes(PMID:20038585). It has 2 isoforms produced by alternative splicing, named as ZIPK-L and ZIPK-S. This antibody is specific to ZIPK-Phospho 311Ser.

Notable Publications

Author	Pubmed ID	Journal	Application
Weitzel Douglas H DH	20854903	Cell Signal	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

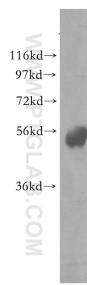
For technical support and original validation data for this product please contact:

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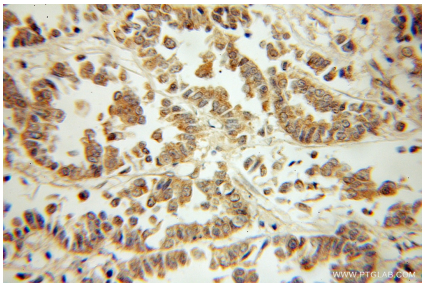
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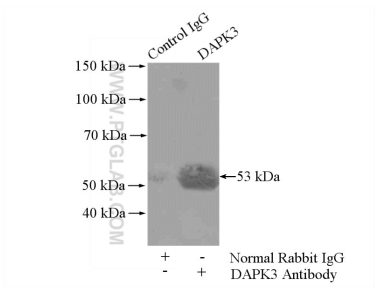
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 51021-1-AP (ZIPK-Phospho 311Ser antibody) at dilution of 1:0 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 51021-1-AP (Phospho-ZIPK (Ser311) antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-Phospho-ZIPK (Ser311) (IP:51021-1-AP, 4ug; Detection:51021-1-AP 1:300) with HEK-293 cells lysate 3200ug.