ZIPK-Phospho 311Ser Polyclonal ANTIbody
Catalog Number: 51021-1-AP

1 Publications

Basic Information
Catalog Number: 51021-1-AP
Size: 20 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number:
GenBank Accession Number: BC136430
GeneID (NCBI): 1613
Recommended Dilutions:
WB: 1:500-1:2000
IP: 0.5-4.0 μg for IP and 1:200-1:1000 for WB
IHC: 1:20-1:200

Applications
Tested Applications: IHC, IP, WB, ELISA
Cited Applications: IF, WB
Species Specificity: human, mouse
Cited Species: human

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

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WB: 1:500-1:2000
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IHC: 1:20-1:200

Background Information
DAPK3 (Death-associated protein kinase 3) is also named as ZIPK (Zipper-interacting protein kinase), 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. DAPK3 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

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<th>Author</th>
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<tbody>
<tr>
<td>Weitzel Douglas H DH</td>
<td>20854903</td>
<td>Cell Signal</td>
<td>WB, IF</td>
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Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (478-4522) (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
HEK-293 cells were subjected to SDS-PAGE followed by western blot with 51021-1-AP (ZIPK-Phospho 311Ser antibody) at a dilution of 1:50 and incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human breast cancer using 51021-1-AP (ZIPK-Phospho 311Ser antibody) at a dilution of 1:50 (under 10x lens).

IP Result of anti-ZIPK-Phospho 311Ser (IP: 51021-1-AP, 4ug; Detection: 51021-1-AP 1:300) with HEK-293 cells lysate 3200ug.