MEK1/2 Polyclonal antibody

Catalog Number: 11049-1-AP

Basic Information

Catalog Number: 11049-1-AP
Size: 150μl, Concentration: 1000 μg/ml by Nanodrop and 267 μg/ml by Bradford method using BSA as the standard
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG1481
GenBank Accession Number: BC018645
GeneID (NCBI): 5605
Full Name: mitogen-activated protein kinase kinase 2
Calculated MW: 44 kDa
Observed MW: 44-47 kDa
Purification Method: Antigen affinity purification
Recommended Dilutions:
WB: 1:5000-1:50000
IP: 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC: 1:50-1:500
IF: 1:10-1:100

Applications

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

MEK2 (MAPK/ERK kinase 2) is also named as MAP2K2, MKK2, PRKMK2 and belongs to the MAP kinase kinase subfamily. MAP2K is itself dependent on Ser/Thr phosphorylation for activity catalyzed by MAP kinase kinase kinases (RAF or MEKK1). MEK1 and MEK2 are closely related, dual-specificity tyrosine/threonine protein kinases found in the Ras/Raf/MEK/ERK mitogen-activated protein kinase (MAPK) signaling pathway. 11049-1-AP can recognize both the MEK2 and MEK1.

Notable Publications

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<th>Author</th>
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<tr>
<td>Jiakang Zhang</td>
<td>36230524</td>
<td>Cancers (Basel)</td>
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<td>Mingjun Gao</td>
<td>34744739</td>
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<td>Xiang Li</td>
<td>34803501</td>
<td>Int J Biol Sci</td>
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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:
T: 1 (888) 4PTGLAB (1-888-478-4522) | E: proteintech@ptglab.com
or 1(312) 455-8498 (outside USA) | W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 11049-1-AP (MEK1/2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11049-1-AP (MEK1/2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11049-1-AP (MEK1/2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

IP Result of anti-MEK2 (IP:11049-1-AP, 4ug; Detection:11049-1-AP 1:1000) with HL-60 cells lysate 1280ug.

Immunofluorescent analysis of SH-SY5Y cells using 11049-1-AP (MEK2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).