

For Research Use Only

MEK1/2 Polyclonal antibody

Catalog Number: 11049-1-AP

80 Publications



Basic Information

Catalog Number:

11049-1-AP

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1481

GenBank Accession Number:

BC018645

GeneID (NCBI):

5605

UNIPROT ID:

P36507

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 1.0-3.0 mg of total protein lysate

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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

Positive Controls:

WB : A549 cells, HL-60 cells, HeLa cells, Jurkat cells, SH-SY5Y cells, mouse brain tissue, rat brain tissue

IP : HL-60 cells,

IHC : mouse brain tissue,

IF/ICC : Jurkat cells,

Background Information

MEK2(MAPK/ERK kinase 2) is also named as MAP2K2, MKK2, PRKMK2 and belongs to the MAP kinase kinase subfamily. MAPKK is itself dependent on Ser/Thr phosphorylation for activity catalyzed by MAP 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

Author	Pubmed ID	Journal	Application
Jiakang Zhang	36230524	Cancers (Basel)	WB
Mingjun Gao	34744739	Front Pharmacol	WB
Xiang Li	34803501	Int J Biol Sci	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

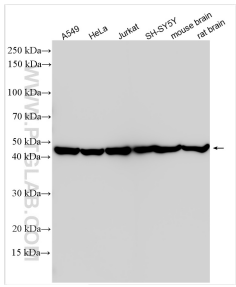
T: 4006900926

E: Proteintech-CN@ptglab.com

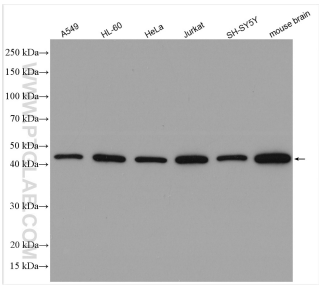
W: ptgcn.com

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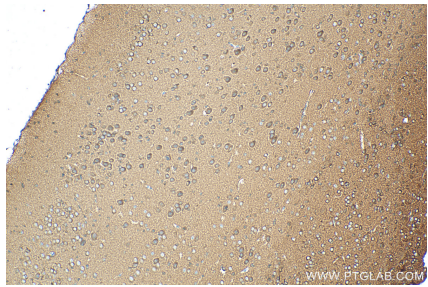
Selected Validation Data



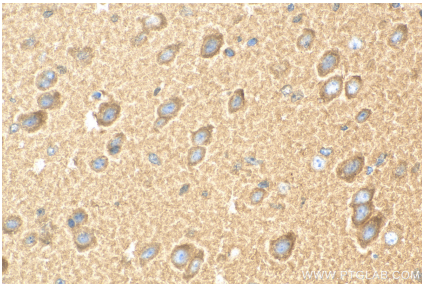
Various lysates were subjected to SDS PAGE followed by western blot with 11049-1-AP (MEK1/2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



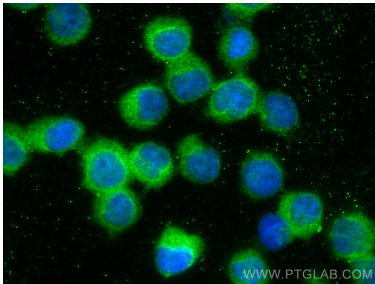
Various lysates were subjected to SDS PAGE followed by western blot with 11049-1-AP (MEK1/2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



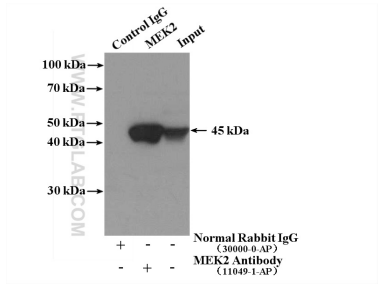
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 11049-1-AP (MEK1/2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using MEK1/2 antibody (11049-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-MEK1/2 (IP:11049-1-AP, 4ug; Detection:11049-1-AP 1:1000) with HL-60 cells lysate 1280ug.