

MEK1/2 Antibody

Catalog No: #21428



Package Size: #21428-1 50ul #21428-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

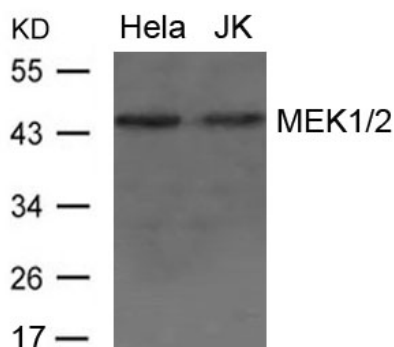
Description

Product Name	MEK1/2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB;IHC;IF;IP;ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total MEK1/2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.235-239(L-Q-G-T-H) derived from Human MEK1/2.
Conjugates	Unconjugated
Target Name	MEK1/2
Other Names	MEK1; MKK1; MAPKK1; PRKMK1;
Accession No.	Swiss-Prot: Q02750NCBI Protein: NP_002746.1
Calculated MW	43, 44kDa
SDS-PAGE MW	44kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

WB 1:1000-1:5000; IHC 1:50-1:1000; IF 1:50-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200;

Images



Western blot analysis of extract from HeLa and JK cells using MEK1/2 Antibody #21428

Background

Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates ERK1 and ERK2 MAP kinases.

Seger R., Seger D., Lozeman F.J., Ahn N.G., Graves L.M., Campbell J.S., Ericsson L., Harrylock M., Jensen A.M., Krebs E.G.J. Biol. Chem. 267:25628-25631(1992)

Mukherjee S., Keitany G., Li Y., Wang Y., Ball H.L., Goldsmith E.J., Orth K.Science 312:1211-1214(2006)

Published Papers

et al., Integrin $\alpha 6$ /Akt/Erk signaling is essential for human breast cancer resistance to radiotherapy.In Sci Rep on 2016 Sep 14 by Ting Hu, Rui Zhou et al..PMID:27624978 , , (2016)

[PMID:27624978](#)

et al., MicroRNA $\mu 46b$, a sensitive indicator of mesenchymal stem cell repair of acute renal injury.In Stem Cells Transl Med on 2016 Oct by Yuan Zhu, Jing Yu et al..PMID:27400799 , , (2016)

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et al., 7 β -dehydrocholesterol suppresses melanoma cell proliferation and invasion via Akt1/NF κ B signaling,In Oncol Lett on 2020 Dec by Jia Liu, Feiliang Zhong, et al..PMID: 33193858 , , (2020)

[PMID:33193858](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.