Nur für Forschungszwecke

Phospho-MEK1 (Thr292) Monoklonaler Antikörper

Katalog-Nr.:67873-1-Ig 1 Publikationen

Allgemeine Informationen

Katalog-Nr.:
67873-1-Ig

Größe:
100ul , Konzentration: 1000 μg/ml von Nanodrop;

Wirt:
Maus

Isotyp:
IgG1

GenBank-Zugangsnummer:
BC139729

GeneID (NCBI):
5604

Vollständiger Name:
mitogen-activated protein kinase kinase 1

Berechneté Masse:
43 kDa

Beobachteté Masse:
40-50 kDa

Reinigungsmethode:
Protein-G-Reinigung

CloneNo.:
2D7A8

Empfohlene Verdünnungen:
WB 1:2000-1:10000

Anwendungen

Geprüfte Anwendungen:
WB,ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Ratte

Positivkontrollen:

WB : NIH/3T3-Zellen, A431-Zellen, Mit Calyculin A behandelte HeLa-Zellen, mit Calyculin A behandelte HSC-T6-Zellen, mit Calyculin A behandelte NIH/3T3-Zellen, Mit Nocodazol behandelte A431-Zellen

Hintergrundinformationen

MAP2K1 encodes MAPK1, also known as MEK1. MEK1 variants can enhance MEK1 expression and ERK1 phosphorylation that together lead to continuous activation of MEK/ERK signaling pathway. MEK1 bind directly to ERK2 through a region in the N terminus of MEK. In addition, a proline-rich (PR) regulatory sequence in MEK is also involved in MEK-ERK association and signal propagation. The coupling between MEK1 and ERK2 is enhanced through phosphorylation on S298 in the MEK1 PR region, whereas phosphorylation on MEK1 T292 releases the complex. MEK1 T292 is a substrate of ERK2, but the site is also phosphorylated at a basal level when ERK2 is inhibited, suggesting several regulators of this site . Although the S298 site in MEK2 has been conserved, it lacks the T292 phosphorylation site, and it is not a substrate of PAK1. (PMID: 31972311, PMID: 17928366, PMID: 22177953)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yin Wang	36693549	J Ethnopharmacol	WB

Lagerung

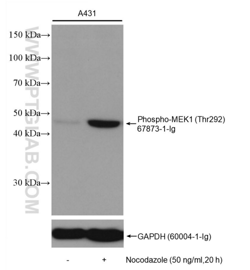
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

***** 20ul-Größen enthalten 0.1% BSA**

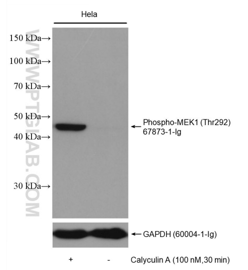
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

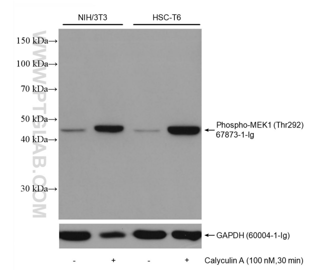
Ausgewählte Validierungsdaten



Non-treated A431 and Nocodazole treated A431 cells were subjected to SDS PAGE followed by western blot with 67873-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated HeLa and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 67873-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated cells and Calyculin A treated cells were subjected to SDS PAGE followed by western blot with 67873-1-Ig (Phospho-MEK1 (Thr292) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.