

Nur für Forschungszwecke

Phospho-MEK1 (Thr386) Monoklonaler Antikörper



Katalog-Nr.: 68015-1-Ig

Allgemeine Informationen

Katalog-Nr.: 68015-1-Ig	GenBank-Zugangsnummer: BC139729	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ul, Konzentration: 1000 µg/ml von 5604	GeneID (NCBI): 5604	CloneNo.: 1G6A2
Nanodrop;	Vollständiger Name: mitogen-activated protein kinase kinase 1	Empfohlene Verdünnungen: WB 1:5000-1:50000
Wirt: Maus	Berechnete Masse: 43 kDa	
Isotyp: IgG1	Beobachtete Masse: 40-50 kDa	

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

Getestete Reaktivität:
Human, Maus

Positivkontrollen:

WB: HeLa-Zellen, A431-Zellen, HEK-293-Zellen, Mit Calyculin A behandelte HeLa-Zellen, mit Calyculin A behandelte NIH/3T3-Zellen, Mit Nocodazol behandelte A431-Zellen, mit Nocodazol behandelte HEK-293-Zellen, Mit λ-Phosphatase behandelte HeLa-Zellen, NIH/3T3-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)

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

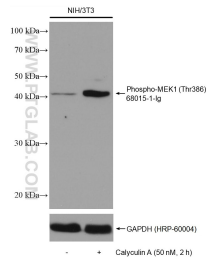
Aliquotieren ist nicht notwendig bei -20°C Lagerung

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

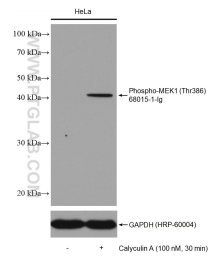
For technical support and original validation data for this product please contact:
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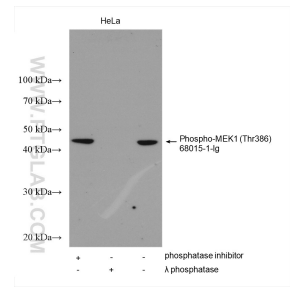
Ausgewählte Validierungsdaten



Non-treated NIH/3T3 cells and Calyculin A treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68015-1-Ig (Phospho-MEK1 (Thr386) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 68015-1-Ig (Phospho-MEK1 (Thr386) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated HeLa cells, phosphatase inhibitor treated and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 68015-1-Ig (Phospho-MEK1 (Thr386) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.