Nur für Forschungszwecke

Phospho-ERK1/2 (Thr202/Tyr204) Polyklonaler Antikörper

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Katalog-Nr.:28733-1-AP 161 Publikationen

Allgemeine Informationen

Katalog-Nr.:
28733-1-AP

Größe:
100ul , Konzentration: 370 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

GenBank-Zugangsnummer:
NM_002746

GeneID (NCBI):
5595

Vollständiger Name:
mitogen-activated protein kinase 3

Berechneté Masse:
38-43 kDa

Beobachteté Masse:
38-43 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:1000-1:9000
IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB

Anwendungen

Geprüfte Anwendungen:
IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Maus, Ratte

Positivkontrollen:

WB : Mit Calyculin A behandelte PC-3-Zellen, mit Calyculin A behandelte HEK-293T-Zellen

IP : Mit Calyculin A behandelte PC-3-Zellen,

Hintergrundinformationen

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements. The MAPK/ERK cascade plays also a role in initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors. MEK1 and MEK2 activate p44 and p42 through phosphorylation of activation loop residues Thr202/Tyr204 and Thr185/Tyr187, respectively. Several downstream targets of p44/42 have been identified, including p90RSK and the transcription factor Elk-1. The antibody recognizes ERK2 phosphorylation sites Thr185 and Tyr187.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Xin-Sen Chen	36182039	Pharmacol Res	WB
Liping Wang	34559939	IUBMB Life	WB
Yan Sun	34469122	ACS Chem Neurosci	WB

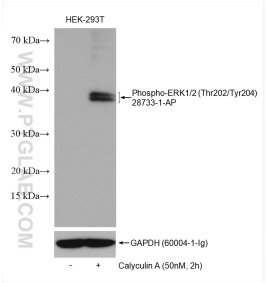
Lagerung

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

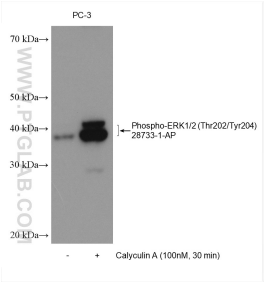
*** 20ul-Größen enthalten 0.1% BSA

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

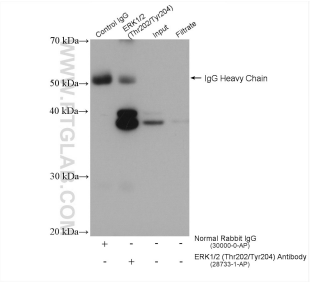
Ausgewählte Validierungsdaten



Non-treated HEK-293T and Calyculin A treated HEK-293T cells were subjected to SDS PAGE followed by western blot with 28733-1-AP (ERK1/2-phospho-Thr202/Tyr204) at dilution of 1:3000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 28733-1-AP (Phospho-ERK1/2 (Thr202/Tyr204) antibody) at dilution of 1:4500 incubated at 4°C overnight.



IP result of anti-Phospho-ERK1/2 (Thr202/Tyr204) (IP:28733-1-AP, 2ug; Detection:28733-1-AP 1:1000) with Calyculin A treated PC-3 cells lysate 1552 ug.