

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Phospho-ERK1/2 (Thr202/Tyr204)



Numéro de catalogue: 28733-1-AP

207 Publications

Informations de base

Numéro de catalogue:

28733-1-AP

Taille:

100ul, Concentration: 370 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Numéro d'acquisition GenBank:

NM_002746

Identification du gène (NCBI):

5595

Nom complet:

mitogen-activated protein kinase 3

MW calculé

38-43 kDa

MW observés:

38-43 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:9000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

Applications

Applications testées:

IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, porc, rat, souris

Contrôles positifs:

WB : cellules PC-3 traitées à la calyculine A, cellules HEK-293T traitées à la calyculine A

IP : cellules PC-3 traitées à la calyculine A,

Informations générales

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.

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

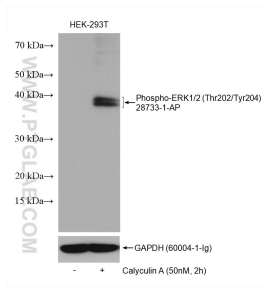
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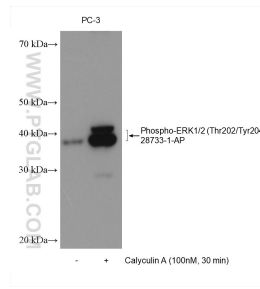
E: proteintech@ptglab.com
W: ptglab.com

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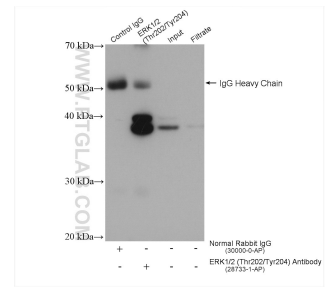
Données de validation sélectionnées



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.