

À des fins de recherche uniquement

Anticorps Monoclonal anti-Profilin 1



Numéro de catalogue: 67390-1-Ig

Phare

4 Publications

Informations de base

Numéro de catalogue: 67390-1-Ig	Numéro d'acquisition GenBank: BC006768	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 5216	CloneNo.: 3A12E8
Hôte: Mouse	Nom complet: profilin 1	Dilutions recommandées: WB 1:5000-1:50000 IF 1:400-1:1600
Isotype: IgG2b	MW calculé: 140 aa, 15 kDa	
Immunogen Catalog Number: AG29206	MW observés: 13 kDa	

Applications

Applications testées:

IF, WB, ELISA

Demandes citées:

IF, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain

Contrôles positifs:

WB : cellules LNCaP, cellules HEK-293, cellules HeLa, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules Neuro-2a, cellules NIH/3T3, cellules PC-12

IF : cellules HeLa, HAP1 cells

Informations générales

Profilin-1 (PFN1) plays an important role in the control of actin dynamics, and could represent an important therapeutic target in several diseases. PFN1 is identified as a huntingtin aggregation inhibitor, and may serve as a tumor-suppressor. PFN1 is crucial for the conversion of monomeric (G)-actin to filamentous (F)-actin. Amyotrophic lateral sclerosis (ALS) is a late-onset neurodegenerative disorder resulting from motor neuron death. Cells expressing PFN1 mutants contain ubiquitinated, insoluble aggregates that in many cases contain the ALS-associated protein TDP-43. Recently, PFN1 is a potential biomarker for bladder cancer aggressiveness and may be of great clinical importance.

Publications notables

Auteur	Pubmed ID	Journal	Application
Yutaka Ogawa	34934922	iScience	WB,IF
Liping Mai	37323855	Diabetes Metab Syndr Obes	WB
Riham Ayoubi	37576538	F1000Res	WB,IF,IP

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.

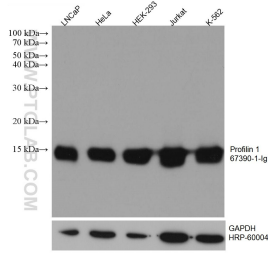
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

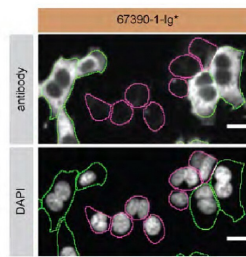
E: proteintech@ptglab.com
W: ptglab.com

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

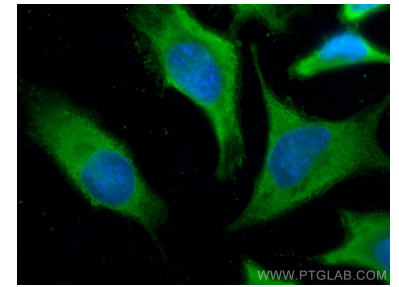
Données de validation sélectionnées



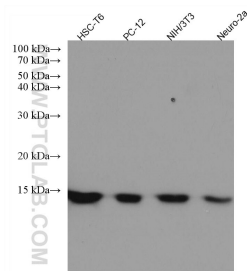
Various lysates were subjected to SDS PAGE followed by western blot with 67390-1-Ig (Profilin 1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



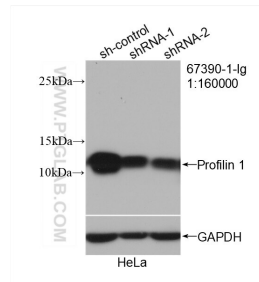
HAP1 WT cells (green outline) and PFN1 KO cells (magenta outline) labelled with a green or a far-red fluorescence dye, respectively. Cells with 4% PFA and stained with 67390-1-Ig at 1.0 μg/ml plus DAPI. Bars = 10 μm. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.



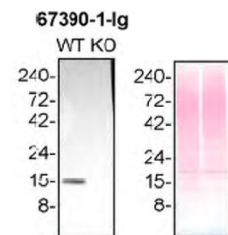
Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Profilin 1 antibody (67390-1-Ig, Clone: 3A12E8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 67390-1-Ig (Profilin 1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



WB result of Profilin 1 antibody (67390-1-Ig; 1:160000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Profilin 1 transfected HeLa cells.



HAP1 (WT and PFN1 KO) lysates prepared with NP-40 buffer, 50 μg protein loaded. 67390-1-Ig incubated at 1:30,000 at 4°C overnight in 5% milk in TBST. Ponceau stained transfers shown on right. Data provided by YCharOS, an open science company with a mission to validate commercial antibodies to improve scientific reproducibility and transparency.