À des fins de recherche uniquement

Anticorps Monoclonal anti-CUL4A

Numéro de catalogue:66038-1-Ig Phare 3 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Informations de base

Numéro de catalogue:
66038-1-Ig

Taille:
150ul , Concentration: 760 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG18089

Numéro d'acquisition GenBank:
BC008308

Identification du gène (NCBI):
8451

Nom complet:
cullin 4A

MW calculé
77 kDa

MW observés:
77 kDa, 88 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1A7F12

Dilutions recommandées:
WB 1:5000-1:50000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:20-1:200

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IP, WB

Spécificité de l'espèce:
Humain, porc, rat, singe, souris

Espèces citées:
Humain, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules LNCaP, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules MCF-7, cellules NIH/3T3, tissu cérébral de porc

IP : cellules MCF-7,

IHC : tissu cardiaque humain, tissu de cancer du sein humain

IF : cellules HepG2,

Informations générales

Cullin proteins assemble a large number of RING E3 ubiquitin ligases, participating in the proteolysis through the ubiquitin-proteasome pathway. Two cullin 4 (CUL4) proteins, CUL4A (87 kDa) and CUL4B(104 kDa), have been identified. The two CUL4 sequences are 83% identical. They target certain proteins for degradation by binding protein DDB1 to form a CUL4-DDB1 ubiquitin ligase complex with DDB. They form two individual E3 ligases, DDB1-CUL4ADDB2 and DDB1-CUL4BDDB2 in this process. CUL4A appeared in both the nucleus and the cytosol, suggesting a more complex mechanism for entering the nucleus. CUL4B is localized in the nucleus and facilitates the transfer of DDB1 into the nucleus independently of DDB2.

Publications notables

Autrice	Pubmed ID	Journal	Application
Wan Wang	35799276	Stem Cell Res Ther	WB,IF,IP
Masashi Minamino	30100344	Curr Biol	
Li Kang	37349645	Oncogene	WB

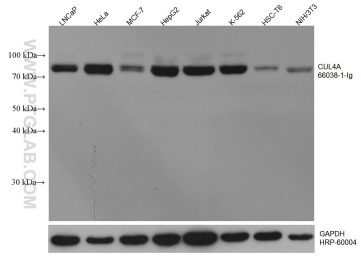
Stockage

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

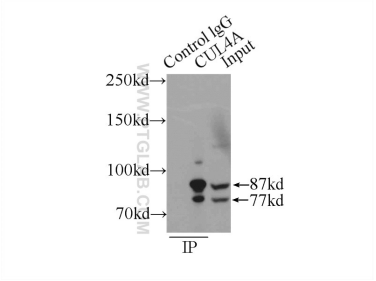
*** Les 20ul contiennent 0,1% de BSA.

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

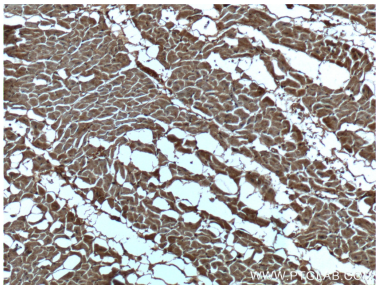
Données de validation sélectionnées



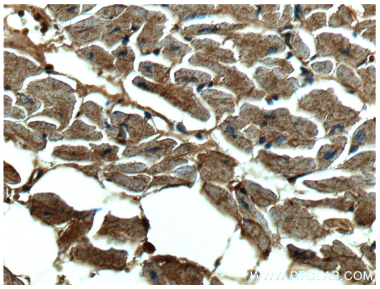
Various lysates were subjected to SDS PAGE followed by western blot with 66038-1-Ig (CUL4A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



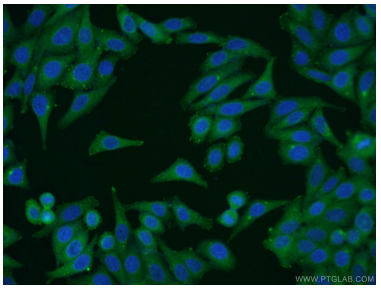
IP Result of anti-CUL4A (IP:66038-1-Ig, 4ug; Detection:66038-1-Ig 1:500) with MCF-7 cells lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66038-1-Ig (CUL4A Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66038-1-Ig (CUL4A Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 66038-1-Ig (CUL4A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).