

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-mDia1



Numéro de catalogue: 20624-1-AP

Phare

14 Publications

Informations de base

Numéro de catalogue:

20624-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG14523

Numéro d'acquisition GenBank:

BC007411

Identification du gène (NCBI):

1729

Nom complet:

diaphanous homolog 1 (Drosophila)

MW calculé

1272 aa, 141 kDa

MW observés:

140-150 kDa, 70 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:8000

IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

ChIP, IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, singe, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules HeLa, cellules COS-7, cellules HUVEC, cellules MDA-MB-231, cellules NIH/3T3, tissu cardiaque humain, tissu de muscle squelettique humain

IP : cellules HeLa,

IHC : tissu rénal de souris,

IF : cellules HeLa, cellules HepG2

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.

Informations générales

mDia1, also known as DIAPH1 or Diap1, is a mammalian diaphanous-related formin which is implicated in multiple physical and pathological events including cytoskeletal dynamics, autosomal hearing loss, and myelodysplasia. Depending upon the cell type and position in the cell cycle, mDia1 has been shown to localize to the cell cortex, trafficking endosomes, cleavage furrow, mid-bodies, and centrosomes, the cytoplasmic microtubule-organizing center crucial for cell division. Mutation of mDia1 has been linked to microcephaly. This antibody recognizes the endogenous mDia1 mainly around 140-150 kDa, while sometimes an additional 70 kDa can also be observed which is proposed to be a fragment of 140-150 kDa molecules (26011179).

Publications notables

Autrice	Pubmed ID	Journal	Application
Jessica D Arden	26354425	Mol Biol Cell	WB, IF
Yan Guo	36198275	Cell Rep	WB
Fernando R Valencia	34822787	Dev Cell	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.

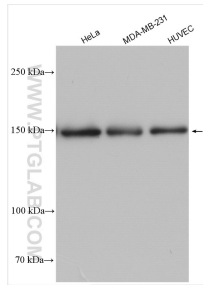
For technical support and original validation data for this product please contact:

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

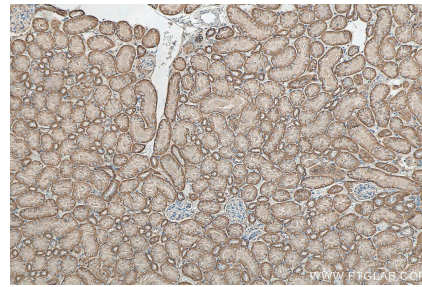
E: proteintech@ptglab.com
W: ptglab.com

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

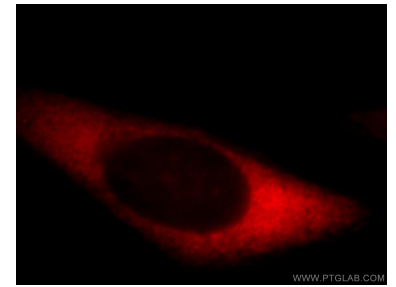
Données de validation sélectionnées



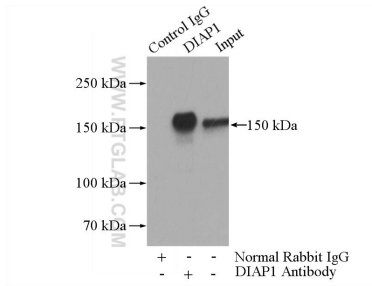
Various lysates were subjected to SDS PAGE followed by western blot with 20624-1-AP (mDia1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



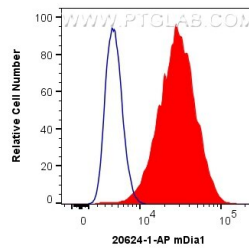
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 20624-1-AP (mDia1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



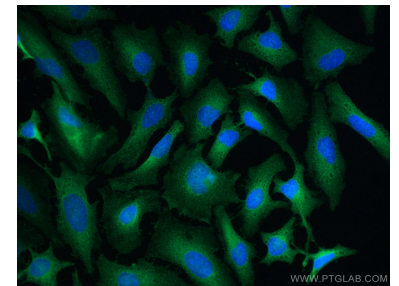
Immunofluorescent analysis of HepG2 cells, using DIAPH1 antibody 20624-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-mDia1 (IP:20624-1-AP, 4ug; Detection:20624-1-AP 1:500) with HeLa cells lysate 1200ug.



1×10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human mDia1 (20624-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using mDia1 antibody (20624-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).