À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PCM1

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

Numéro de catalogue:19856-1-AP Phare 18 Publications

Informations de base

Numéro de catalogue:
19856-1-AP

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG13929

Numéro d'acquisition GenBank:
BC000453

Identification du gène (NCBI):
5108

Nom complet:
pericentriolar material 1

MW calculé
2024 aa, 228 kDa

MW observés:
260-280 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:16000
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:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, 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 HEK-293, cellules HeLa, cellules HT-1080, cellules NIH/3T3

IP : cellules HeLa,

IHC : tissu d'amygdalite humain, tissu testiculaire de souris

IF : cellules HepG2, cellules HeLa, cellules NIH/3T3

Informations générales

Pericentriolar material 1 (PCM1) is a component of centriolar satellites, which are electron dense granules scattered around centrosomes (PMID: 10579718). PCM1 is required for centrosome assembly and function. It acts as a scaffold to target several proteins to the centrosome in a dynein motor-dependent manner and regulate microtubular dynamics (PMID:18762586; 12403812). It is also involved in the biogenesis of cilia (PMID: 18772192). Chromosomal aberrations involving PCM1 gene are associated with papillary thyroid carcinomas and a variety of hematological malignancies, including atypical chronic myeloid leukemia and T-cell lymphoma. (PMID: 10980597; 16091753; 15805263; 16424865).

Publications notables

Autrice	Pubmed ID	Journal	Application
Hsuan Cheng	36314725	EMBO Rep	IF
Deniz Conkar	31582766	Sci Rep	WB
Tianyu Wu	36395215	Science	IF

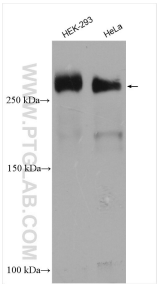
Stockage

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

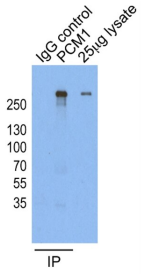
***** Les 20ul contiennent 0,1% de BSA.**

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

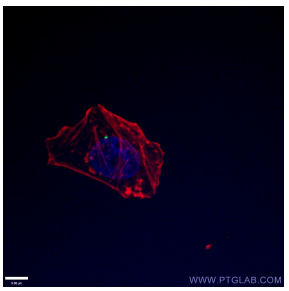
Données de validation sélectionnées



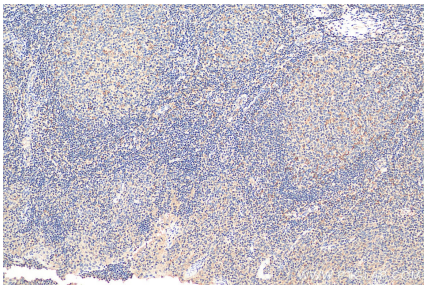
Various lysates were subjected to SDS PAGE followed by western blot with 19856-1-AP (PCM1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



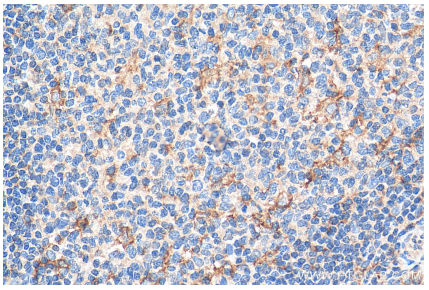
IP result of anti-PCM1 (19856-1-AP for IP and Detection) with HeLa cells.



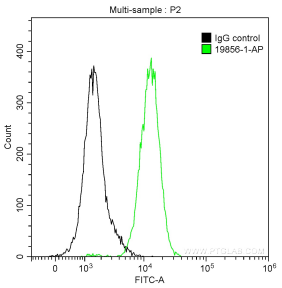
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 19856-1-AP (PCM1 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19856-1-AP (PCM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 19856-1-AP (PCM1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HepG2 cells were intracellularly stained with 0.2 ug Anti-Human PCM1 (19856-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), or 0.2 ug Control Antibody (black). Cells were fixed with 90% MeOH.