

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-APPL1



Numéro de catalogue: 12639-1-AP

Phare

7 Publications

Informations de base

Numéro de catalogue:
12639-1-AP

Taille:
150ul, Concentration: 1100 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3334

Numéro d'acquisition GenBank:
BC028599

Identification du gène (NCBI):

Nom complet:
adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1

MW calculé
709 aa, 80 kDa

MW observés:
80 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:10000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:20-1:200
IF 1:50-1:500

Applications

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

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules C2C12, cellules HEK-293, cellules HeLa, tissu hépatique de souris, tissu ovarien de souris

IP : tissu cérébral de souris,

IHC : tissu de tumeur ovarienne humain,

IF : cellules HepG2,

Informations générales

Adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1 (APPL1), a binding partner of Akt2 and an important regulator of INS signaling, plays a key role in the regulation of INS secretion [PMID:22615370]. APPL1 interacts with adiponectin receptors and mediates the INS-sensitizing effects of adiponectin in muscle and endothelial cells. It also participates in nuclear signaling and transcriptional regulation, mostly by modulating the activity of various nuclear factors [PMID:22685329]. Apart from its role in endocytosis and endosomal transport, APPL1 was reported to undergo nucleocytoplasmic shuttling and participate in transcriptional regulation, e.g. by interactions with histone deacetylases (HDACs) [PMID:19686092].

Publications notables

Autrice	Pubmed ID	Journal	Application
Peiyuan Li	34586803	J Agric Food Chem	WB
Elizabeth J English	29899118	J Biol Chem	WB
Neftali Flores-Rodriguez	25588841	J Cell Sci	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'aliquoteage n'est pas nécessaire pour le stockage à -20C

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

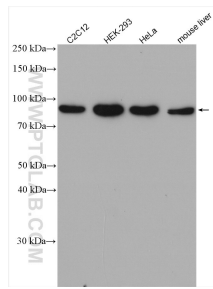
For technical support and original validation data for this product please contact:

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

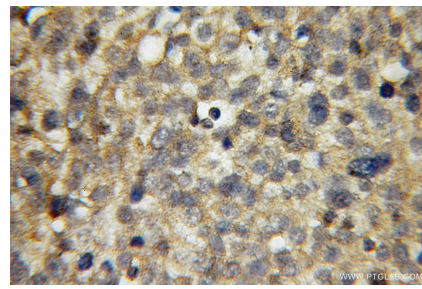
E: proteintech@ptglab.com
W: ptglab.com

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

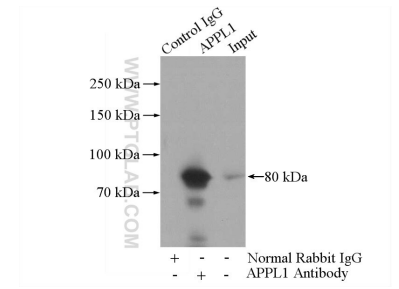
Données de validation sélectionnées



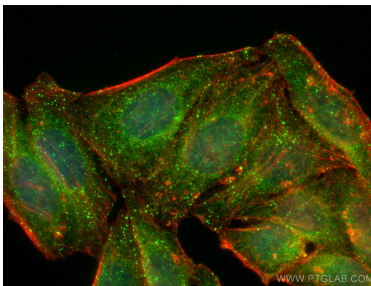
Various lysates were subjected to SDS PAGE followed by western blot with 12639-1-AP (APPL1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



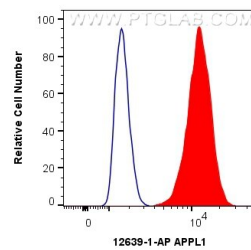
Immunohistochemical analysis of paraffin-embedded human ovary tumor using 12639-1-AP (APPL1 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-APPL1 (IP:12639-1-AP, 4ug; Detection:12639-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using APPL1 antibody (12639-1-AP) at dilution of 1:200 and CoralLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human APPL1 (12639-1-AP) and CoralLite@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).