

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-TIP47



Numéro de catalogue: 10694-1-AP

30 Publications

Informations de base

Numéro de catalogue:

10694-1-AP

Taille:

150ul, Concentration: 650 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG1028

Numéro d'acquisition GenBank:

BC007566

Identification du gène (NCBI):

10226

Nom complet:

mannose-6-phosphate receptor binding protein 1

MW calculé

47 kDa

MW observés:

47 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 1:500-1:2000 for WB

IHC 1:50-1:500

IF 1:20-1:200

Applications

Applications testées:

FC, IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

Humain, rat, souris

Contrôles positifs:

WB : cellules HEK-293, cellules 3T3-L1, cellules HeLa, cellules Jurkat

IP : cellules HeLa,

IHC : tissu hépatique de souris, tissu ovarien de souris

IF : cellules MEF, cellules HeLa traitées à l'acide oléique

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.

Informations générales

Mannose 6-phosphate receptors (M6PRs) transport newly synthesized lysosomal hydrolases from the Golgi to prelysosomes and then return to the Golgi for another round of transport. M6PRBP1 (mannose-6-phosphate receptor binding protein 1), also known as TIP47, PLIN3 or PP17, interacts with the cytoplasmic domains of both cation-independent and cation-dependent M6PRs, and is required for endosome-to-Golgi transport. In addition to M6PR recycling, M6PRBP1 plays a role in lipid droplet biogenesis, and is also implicated in rhodopsin photobleaching and viral infection. M6PRBP1 has been found to be expressed in a variety of human tissues (including colon, liver and lung parenchyme, mammary gland, and skin) and is overexpressed in certain cancer cell lines. It binds to lipid droplets and also occurs in cytosol and on endosomal membranes.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xinyu Bao	36107452	J Mol Cell Biol	WB
Fangjun Yu	34493722	Nat Commun	WB
Takahiro Seki	30184469	Neurobiol Dis	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.

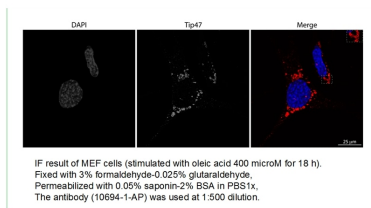
For technical support and original validation data for this product please contact:

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

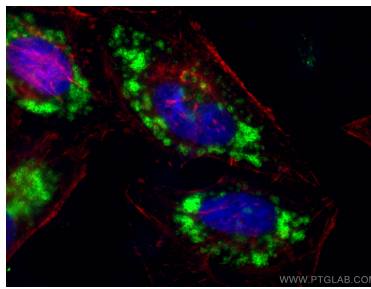
E: proteintech@ptglab.com
W: ptglab.com

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

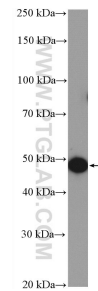
Données de validation sélectionnées



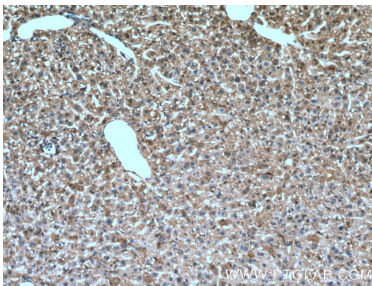
IF result of anti-TIP47 (10694-1-AP,1:500) with MEF cell by Dr.Hector Alex Saka.



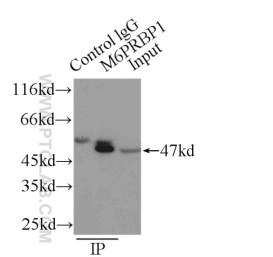
Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using TIP47 antibody (10694-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). F-actin was stained with CL594-phalloidin.



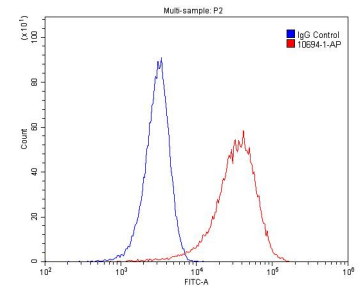
3T3-L1 cells were subjected to SDS PAGE followed by western blot with 10694-1-AP (TIP47 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



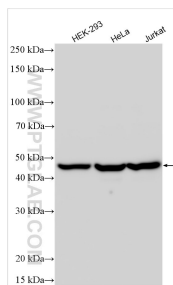
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 10694-1-AP (TIP47 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



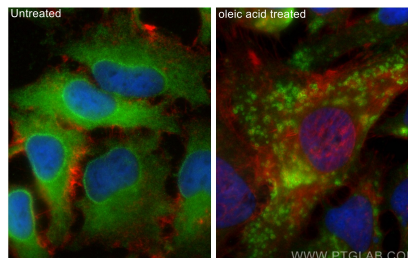
IP Result of anti-TIP47 (IP:10694-1-AP, 3ug; Detection:10694-1-AP 1:1000) with HeLa cells lysate 1000ug.



1X10⁶ HeLa cells were stained with 0.2ug TIP47 antibody (10694-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.



Various lysates were subjected to SDS PAGE followed by western blot with 10694-1-AP (TIP47 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using TIP47 antibody (10694-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).