Nur für Forschungszwecke

TIP47 Polyklonaler Antikörper

Katalog-Nr.:10694-1-AP 29 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
10694-1-AP

Größe:
150ul , Konzentration: 650 μg/ml von Nanodrop und 200 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG1028

GenBank-Zugangsnummer:
BC007566

GeneID (NCBI):
10226

Vollständiger Name:
mannose-6-phosphate receptor binding protein 1

Berechneté Masse:
47 kDa

Beobachteté Masse:
47 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:2500
IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
IHC 1:50-1:500
IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB,ELISA

In Publikationen genannte Anwendungen:
IF, IHC, WB

Getestete Reaktivität:
Human, Maus

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

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

IP : HeLa-Zellen,

IHC : Mauslebergewebe, Maus-Eierstockgewebe

IF : MEF-Zellen, mit Ölsäure behandelte HeLa-Zellen

Hintergrundinformationen

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.

Bemerkenswerte Veröffentlichungen

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

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

***** 20ul-Größen enthalten 0.1% 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

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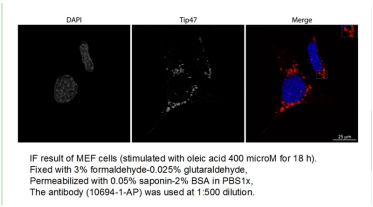
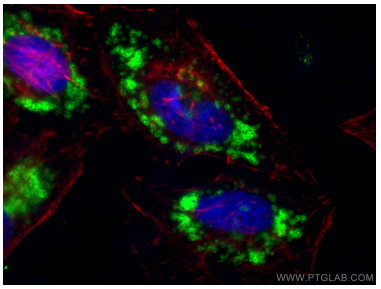
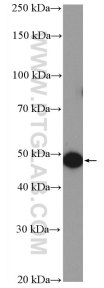
Ausgewählte Validierungsdaten



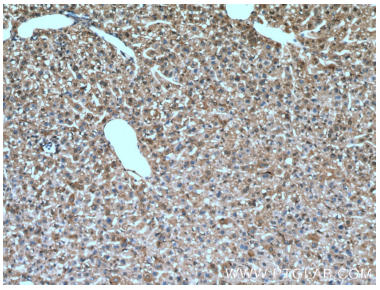
IF result of anti-TIP47 (10694-1-AP,1:500) with MEF cell by Dr.Hector Alex Saka.



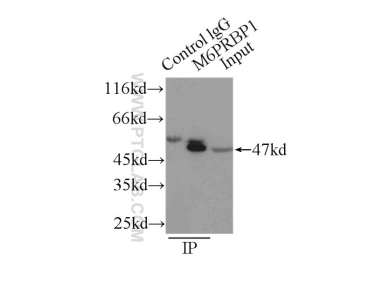
Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using TIP47 antibody (10694-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). F-actin was stained with CL594-phalloidin.



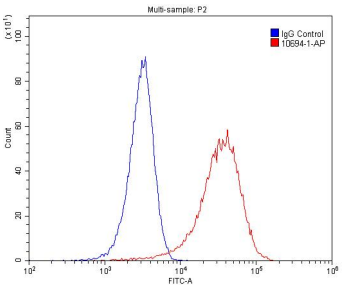
3T3-L1 cells were subjected to SDS PAGE followed by western blot with 10694-1-AP (TIP47 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.



1X10^6 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.