

Nur für Forschungszwecke

TOMM40 Polyklonaler Antikörper

Katalog-Nr.:18409-1-AP

Vorgestelltes Produkt

69 Publikationen



Allgemeine Informationen

Katalog-Nr.:
18409-1-AP

Größe:
150ul , Konzentration: 900 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG13065

GenBank-Zugangsnummer:
BC017224

GeneID (NCBI):
10452

Vollständiger Name:
translocase of outer mitochondrial
membrane 40 homolog (yeast)

Berechnete Masse:
38 kDa

Beobachtete Masse:
38 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:16000

IP 0.5-4.0 ug für IP und 1:500-1:2000
für WB

IHC 1:50-1:500

IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, IF, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Affe, Human, Maus, Ratte, Rind

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

Positivkontrollen:

WB : HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, humanes Hirngewebe, Mausnierengewebe, Rattennierengewebe

IP : Mauslebergewebe,

IHC : humanes Lebergewebe, humanes Herzgewebe, humanes Nierengewebe, Mausherzgewebe

IF : HepG2-Zellen, HeLa-Zellen

Hintergrundinformationen

The translocase of outer mitochondria membrane 40 (TOMM40, also known as TOM40), located in the center of the TOM complex, is a channel-forming subunit of translocase. It can facilitate the fluid movement of preproteins into the mitochondria by associating with TOMM20. TOMM40 plays a role in the assembly of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) by forming a complex with BCAP31 and mediating the translocation of Complex I components from the cytosol to the mitochondria (PMID: 31206022). TOMM40 has been reported to be associated with late-onset neurodegenerative diseases such as Alzheimer's disease and Parkinson's disease.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Emi Ogasawara	32946932	Pharmacol Res	WB
Christopher Lowden	34525369	Cell Rep	WB
Nathalie Dorison	32933822	Mol Genet Metab	IF

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

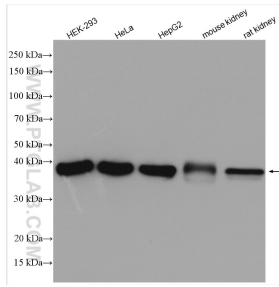
For technical support and original validation data for this product please contact:

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

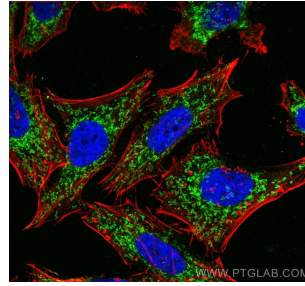
E: proteintech@ptglab.com
W: ptglab.com

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

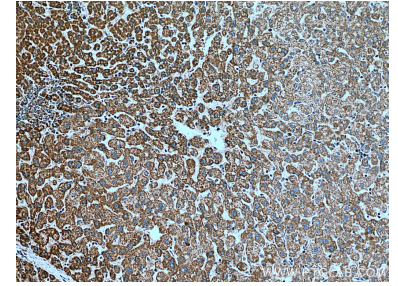
Ausgewählte Validierungsdaten



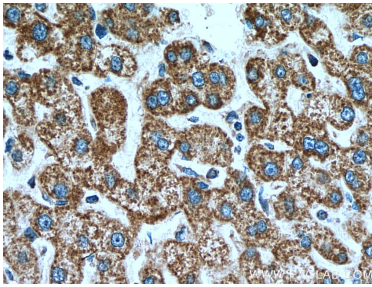
Various lysates were subjected to SDS PAGE followed by western blot with 18409-1-AP (TOMM40 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



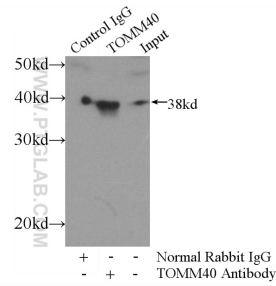
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TOMM40 antibody (18409-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), (CL594-Phalloidin, red).



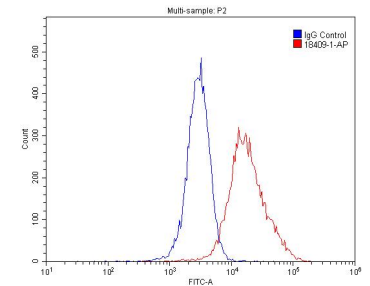
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18409-1-AP (TOMM40 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18409-1-AP (TOMM40 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-TOMM40 (IP:18409-1-AP, 4ug; Detection:18409-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



1×10^6 HepG2 cells were stained with .2ug TOMM40 antibody (18409-1-AP, red) and control antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.