

Allgemeine Informationen

Katalog-Nr.:
10594-1-AP

Größe:
150ul, Konzentration: 800 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0932

GenBank-Zugangsnummer:
BC006327

GeneID (NCBI):
5195

Vollständiger Name:
peroxisomal biogenesis factor 14

Berechnete Masse:
41 kDa

Beobachtete Masse:
57 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:10000

IP 0.5-4.0 µg für IP und 1:500-1:1000

für WB

IHC 1:50-1:200

IF 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Affe, Human, Maus, Ratte

Zitierte Arten:

Affe, Hefe, Human, Maus, Ratte

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

Positivkontrollen:

WB: A431-Zellen, HEK-293T-Zellen, HEK-293-Zellen, HeLa-Zellen, SKOV-3-Zellen

IP: Mauslebergewebe,

IHC: humanes Leberkarzinomgewebe, humanes Zervixkarzinomgewebe

IF: HeLa-Zellen, C2C12-Zellen, COS7-Zellen, HepG2-Zellen, NIH/3T3-Zellen

Hintergrundinformationen

PEX14 (peroxisomal biogenesis factor 14) is a peroxisomal membrane protein that is essential for protein docking onto the peroxisomes. It is a central component of the peroxisomal matrix protein import machinery and interacts with PEX5 and PEX19. PEX14 is ubiquitously expressed and defects in PEX14 are the cause of peroxisome biogenesis disorder complementation group K (PBD-CGK). This antibody can be used to detect endogenous PEX14 with an apparent molecular weight of 57 kDa (PMID: 16449325; 9653144) and recognize peroxisomal structures in human, monkey and mouse cells.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Fabian Schueren	25247702	Elife	IF
José A Nicolás-Ávila	32937105	Cell	IF
Luis Carlos Tábara	35718349	Brain	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**

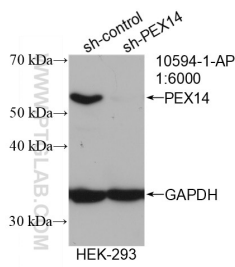
For technical support and original validation data for this product please contact:

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

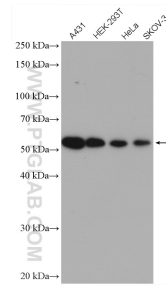
E: proteintech@ptglab.com
W: ptglab.com

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

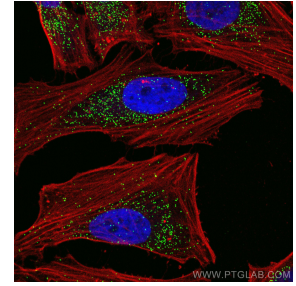
Ausgewählte Validierungsdaten



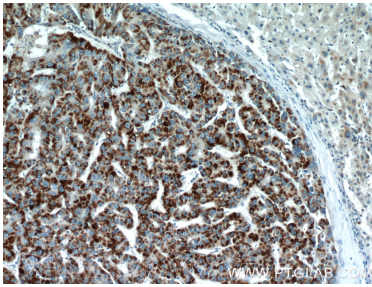
WB result of PEX14 antibody (10594-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PEX14 transfected HEK-293 cells.



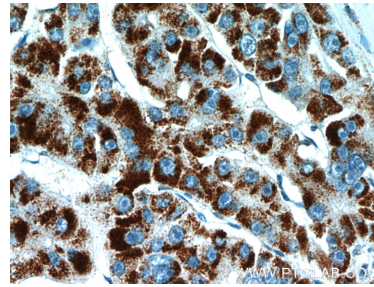
Various lysates were subjected to SDS PAGE followed by western blot with 10594-1-AP (PEX14 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



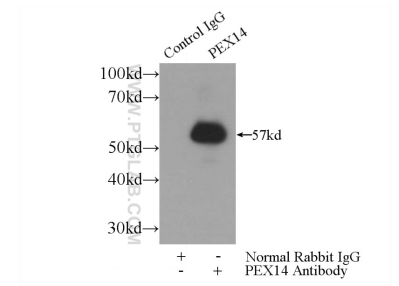
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PEX14 antibody (10594-1-AP) at dilution of 1:1000 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), (CL594-Phalloidin, red).



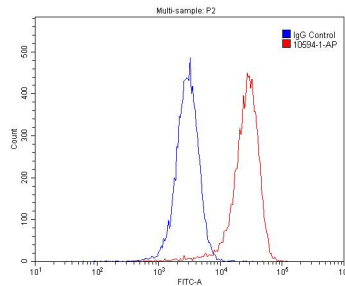
Immunohistochemical analysis of paraffin-embedded human liver cancer using 10594-1-AP (PEX14 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 10594-1-AP (PEX14 antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-PEX14 (IP:10594-1-AP, 3ug; Detection:10594-1-AP 1:500) with mouse liver tissue lysate 4000ug.



1x10⁶ HepG2 cells were stained with .2ug PEX14 antibody (10594-1-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.