

## Allgemeine Informationen

Katalog-Nr.:  
12545-1-AP

Größe:  
150ul, Konzentration: 500 µg/ml von  
Nanodrop und 313 µg/ml durch die  
Bradford-Methode mit BSA als  
Standard;

Wirt:  
Kaninchen

Isotyp:  
IgG

Immunogen Katalognummer:  
AG3268

GenBank-Zugangsnummer:  
BC010621

GeneID (NCBI):  
5830

Vollständiger Name:  
peroxisomal biogenesis factor 5

Berechnete Masse:  
631 aa, 70 kDa

Beobachtete Masse:  
68-80 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:2000  
IP 0.5-4.0 µg für IP und 1:500-1:1000  
für WB  
IHC 1:100-1:400  
IF 1:50-1:500

## Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

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 : humanes Hirngewebe, HEK-293-Zellen, humanes Nierengewebe, L02-Zellen, Maushirngewebe, Mausnierengewebe

IP : Mausnierengewebe,

IHC : humanes Nierengewebe, Maushirngewebe

IF : HeLa-Zellen,

## Hintergrundinformationen

The peroxisomal targeting signal type1 (PTS1) receptor, PEX5, is one member of peroxins (PEXs) which are proteins required for peroxisome assembly. PEX5 and PEX7 function as receptors that recognize PTS1- and PTS2- containing proteins, respectively, and PEX5 binds PTS1 through its C-terminal 40-kDa tetratricopeptide repeat domain. It is a predominantly cytoplasmic, partly peroxisomal protein that appears to shuttle between these compartments as it mediates the import of PTS1-containing proteins. PEX5 has been reported to interact with PEX10, PEX12, PEX13, and PEX14. Defects in PEX5 are a cause of Zellweger syndrome (ZWS), which is a lethal peroxisome biogenesis disorder. This antibody recognizes endogenous PEX5, which migrates with an apparent molecular mass of 80 kDa (PMID: 7790377).

## Bemerkenswerte Veröffentlichungen

| Verfasser      | Pubmed ID | Journal         | Anwendung |
|----------------|-----------|-----------------|-----------|
| Shuo Geng      | 34499622  | JCI Insight     | WB,FC     |
| Jiangwei Zhang | 26344566  | Nat Cell Biol   | WB, IF    |
| Minghui Wang   | 34174269  | Eur J Pharmacol | 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

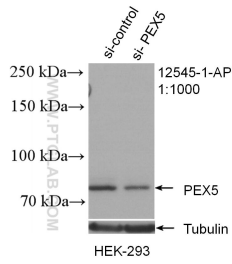
For technical support and original validation data for this product please contact:

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

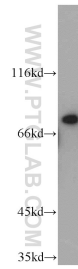
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

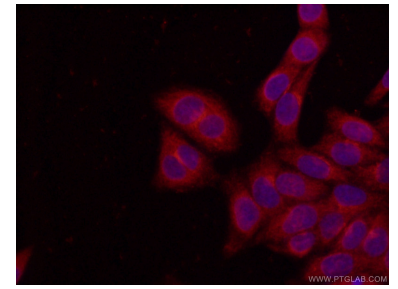
## Ausgewählte Validierungsdaten



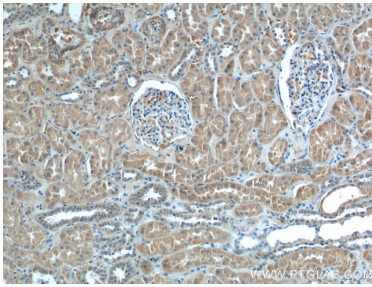
WB result of PEX5 antibody (12545-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PEX5 transfected HEK-293 cells.



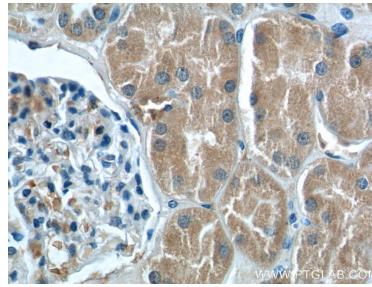
human brain tissue were subjected to SDS PAGE followed by western blot with 12545-1-AP (PEX5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



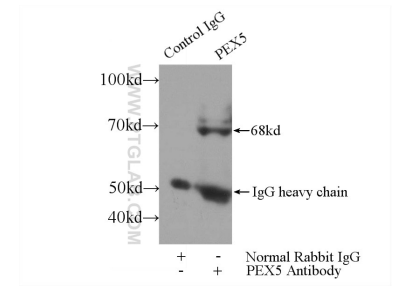
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12545-1-AP (PEX5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



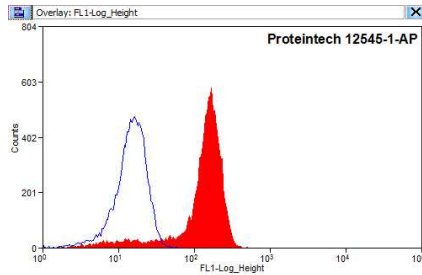
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12545-1-AP (PEX5 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12545-1-AP (PEX5 Antibody) at dilution of 1:200 (under 40x lens).



IP Result of anti-PEX5 (IP:12545-1-AP, 4ug; Detection:12545-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



1X10<sup>6</sup> HEK-293 cells were stained with 0.2ug PEX5 antibody (12545-1-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.