

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PEX5



Numéro de catalogue: 12545-1-AP

Phare

11 Publications

Informations de base

Numéro de catalogue:
12545-1-AP

Taille:
150ul, Concentration: 500 µg/ml by Nanodrop and 313 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG3268

Numéro d'acquisition GenBank:
BC010621

Identification du gène (NCBI):
5830

Nom complet:
peroxisomal biogenesis factor 5

MW calculé
631 aa, 70 kDa

MW observés:
68-80 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB
IHC 1:100-1:400
IF 1:50-1:500

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
FC, IF, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, rat, souris

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.

Contrôles positifs:

WB : tissu cérébral humain, cellules HEK-293, cellules L02, tissu cérébral de souris, tissu rénal de souris, tissu rénal humain

IP : tissu rénal de souris,

IHC : tissu rénal humain, tissu cérébral de souris

IF : cellules HeLa,

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Shuo Geng	34499622	JCI Insight	WB,FC
Jiangwei Zhang	26344566	Nat Cell Biol	WB, IF
Minghui Wang	34174269	Eur J Pharmacol	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.

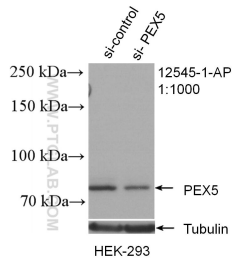
For technical support and original validation data for this product please contact:

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

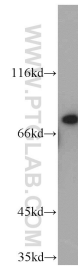
E: proteintech@ptglab.com
W: ptglab.com

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

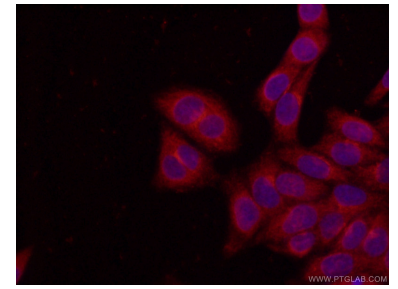
Données de validation sélectionnées



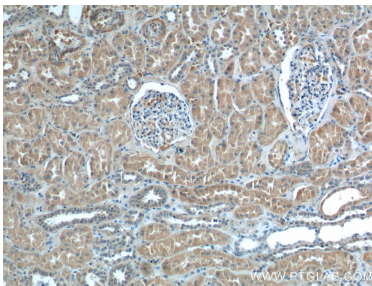
WB result of PEX5 antibody (12545-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PEX5 transfected HEK-293 cells.



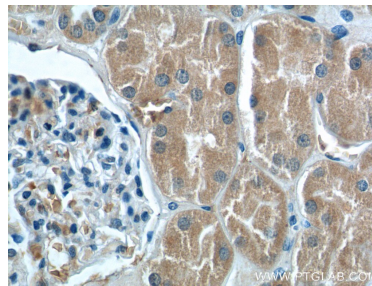
human brain tissue were subjected to SDS PAGE followed by western blot with 12545-1-AP (PEX5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



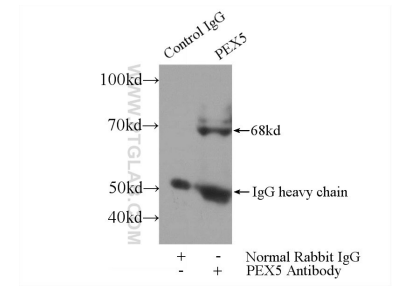
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12545-1-AP (PEX5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



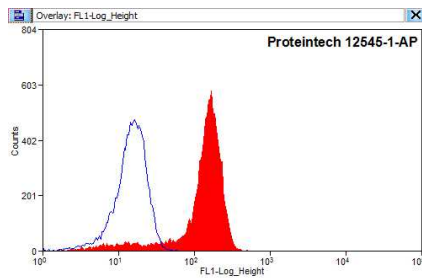
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12545-1-AP (PEX5 Antibody) at dilution of 1:200 (under 10x lens).



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.



1X10⁶ 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.