

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-WDR45/WIPI4



Numéro de catalogue: 19194-1-AP

Phare

7 Publications

## Informations de base

Numéro de catalogue:  
19194-1-AP

Taille:  
150ul, Concentration: 450 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG6741

Numéro d'acquisition GenBank:  
BC000464

Identification du gène (NCBI):  
11152

Nom complet:  
WD repeat domain 45

MW calculé  
40 kDa

MW observés:  
40 kDa

Méthode de purification:  
Purification par affinité contre l'antigène

Dilutions recommandées:  
WB 1:1000-1:6000  
IHC 1:50-1:500  
IF 1:50-1:500

## Applications

Applications testées:  
IF, IHC, WB, ELISA

Demandes citées:  
IP, WB

Spécificité de l'espèce:  
Humain, souris

Espèces citées:  
Humain, 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 de muscle squelettique de souris, tissu de muscle squelettique de rat

IHC : tissu hépatique humain,

IF : cellules HeLa,

## Informations générales

WD repeat domain phosphoinositide-interacting protein 4 (WDR45) is also named as WDRX1, WDRX14 and WIPI4, and belongs to the WD repeat PROPPIN family. WDR45 is highly conserved in mammals, and the amino acid sequences of the human, mouse, pig, bovine and horse protein have more than 97% identity (PMID:20505359). WDR45 is component of the autophagy machinery that controls the major intracellular degradation process (PMID:23435086, PMID:28561066). Together with WIPI1, WIPI2 and WIPI3/WDR45B, it forms the WIPI (WD repeat domain, phosphoinositide interacting) protein family. And this is why WDR45 is also known as WIPI4 (PMID:11814058). The best characterized molecular function of WDR45 is promoting lipid transfer together with ATG2 proteins between adjacent membranes. This function at the phagophore-ER membrane contact sites is important for autophagy (PMID:30185561, PMID:31721365). WDR45 is activated by the STK11/AMPK signaling pathway upon starvation. WDR45 is involved in autophagosome assembly downstream of WIPI2, regulating the size of forming autophagosomes (PMID:28561066).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Hye Eun Lee	34769084	Int J Mol Sci	WB
Luisa Aring	34837396	J Neurochem	WB
Alexander S Häusl	35263141	Sci Adv	WB,IP

## 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'aliquoteage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

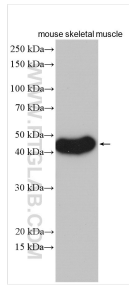
For technical support and original validation data for this product please contact:

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

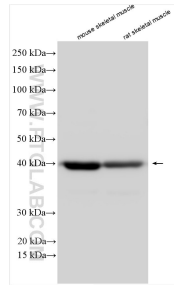
E: proteintech@ptglab.com  
W: ptglab.com

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

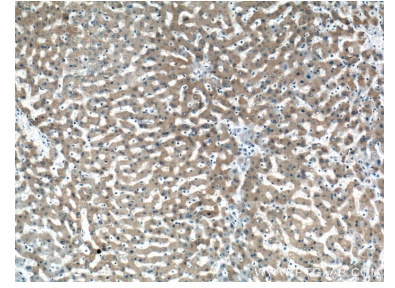
## Données de validation sélectionnées



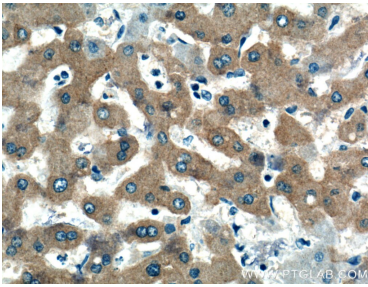
mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 19194-1-AP (WDR45 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



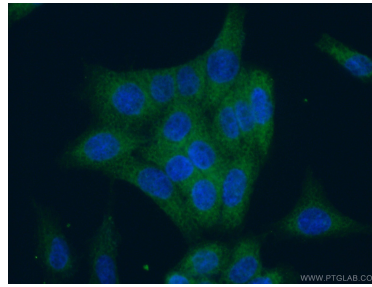
Various lysates were subjected to SDS PAGE followed by western blot with 19194-1-AP (WDR45 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 19194-1-AP (WDR45 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 19194-1-AP (WDR45 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 19194-1-AP (WDR45 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).