

À des fins de recherche uniquement

# Anticorps Monoclonal anti-PRX5

Numéro de catalogue: 67599-1-Ig



## Informations de base

Numéro de catalogue: 67599-1-Ig	Numéro d'acquisition GenBank: BC110983	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 333 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 25824	CloneNo.: 1B8C5
Hôte: Mouse	Nom complet: peroxiredoxin 5	Dilutions recommandées: WB 1:2000-1:10400 IHC 1:200-1:1000 IF 1:200-1:800
Isotype: IgG1	MW calculé 214 aa, 22 kDa	
Immunogen Catalog Number: AG12262	MW observés: 17 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Spécificité de l'espèce:

Humain, rat

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : cellules HCT 116, cellules HEK-293, cellules HeLa, cellules HepG2, cellules Jurkat, cellules K-562, cellules LNCaP

IHC : tissu de cancer du foie humain,

IF : cellules HeLa,

## Informations générales

Peroxiredoxin 5 (Prx5) is a member of a family consisting of six antioxidant enzymes. Prx5 is ubiquitously expressed in various tissues including mitochondria and peroxisomes, implying that Prx5 functions as a regulator of the cellular oxidation state. Prx5 plays a critical role in protecting cells from oxidative stress by inhibiting the accumulation of reactive oxygen species and cell death. Prx5 has an intensive ROS scavenging activity because it is located in the cytosol and mitochondria. Prx5 expression was upregulated during adipogenesis and Prx5 overexpression suppressed adipogenesis by regulating cytosolic and mitochondrial ROS generation. (PMID: 29777756, PMID: 31505325, PMID: 22020876)

## 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.

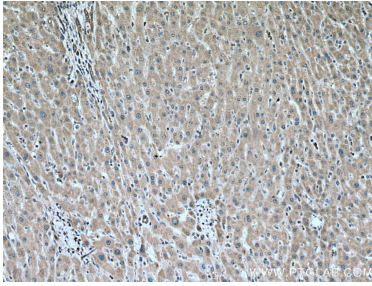
For technical support and original validation data for this product please contact:

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

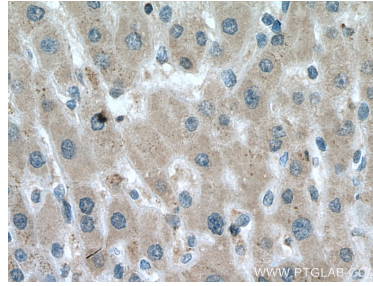
E: proteintech@ptglab.com  
W: ptglab.com

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

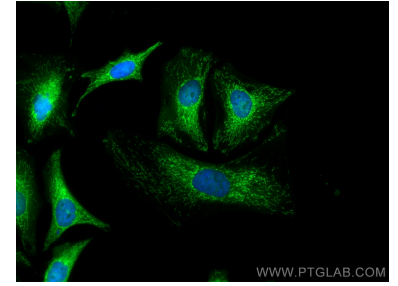
## Données de validation sélectionnées



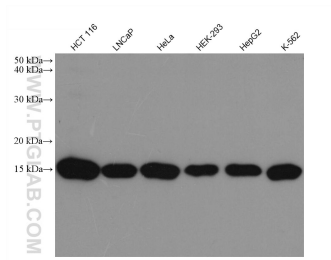
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67599-1-Ig (PRX5 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



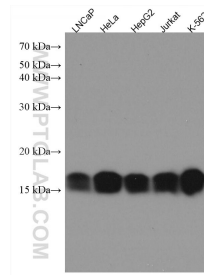
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 67599-1-Ig (PRX5 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PRX5 antibody (67599-1-Ig, Clone: 1B8C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 67599-1-Ig (PRX5 antibody) at dilution of 1:5200 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67599-1-Ig (PRX5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.