

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-PER1



Numéro de catalogue: 13463-1-AP

10 Publications

Informations de base

Numéro de catalogue: 13463-1-AP	Numéro d'acquisition GenBank: BC028207	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 450 µg/ml by Nanodrop;	Identification du gène (NCBI): 5187	Dilutions recommandées: WB 1:500-1:3000 IHC 1:50-1:500 IF 1:20-1:200
Hôte: Lapin	Nom complet: period homolog 1 (Drosophila)	
Isotype: IgG	MW calculé: 1290 aa, 136 kDa	
Immunogen Catalog Number: AG4249	MW observés: 50-55 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Humain, souris

Contrôles positifs:

WB : cellules A549, tissu cérébral humain, tissu hépatique de souris, tissu rénal de souris

IHC : tissu de cancer du sein humain, tissu d'amygdalite humain

IF : cellules HeLa,

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.

Informations générales

PER1 is a master regulator of circadian rhythm and functions in the nucleus to repress expression of the central circadian clock genes. The periodicity of PER1 abundance, nuclear translocation, and transcriptional repression is regulated by PER1 phosphorylation, ubiquitination, and proteasomal degradation [PMID: 21514639]. It is one component of the circadian clock mechanism which is essential for generating circadian rhythms. It can influence clock function by interacting with other circadian regulatory proteins and transporting them to the nucleus [PMID: 9856465, 20930143]. In addition to bands of the predicted molecular mass of 140 kDa, additional PER1 species of 55 and 45 kDa is detected that is predominantly nuclear [PMID: 11726537].

Publications notables

Autrice	Pubmed ID	Journal	Application
Mark A Naven	35664072	Theranostics	IF
Xinxing Wan	33741899	Cell Death Dis	WB
Yi-Dong Chen	35720196	Gastroenterol Rep (Oxf)	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.

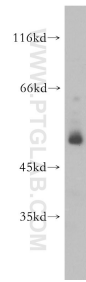
For technical support and original validation data for this product please contact:

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

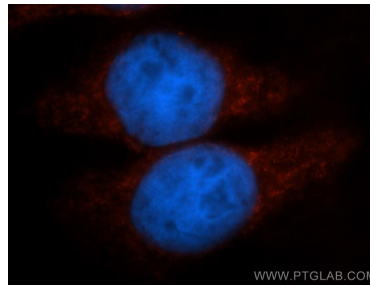
E: proteintech@ptglab.com
W: ptglab.com

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

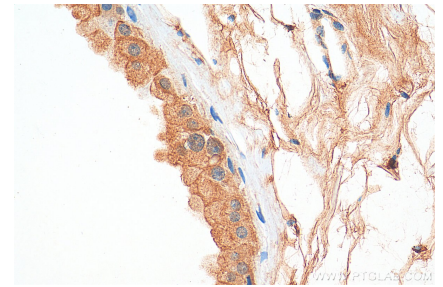
Données de validation sélectionnées



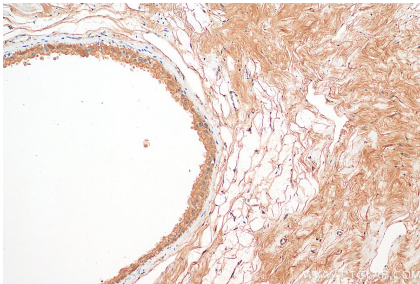
A549 cells were subjected to SDS PAGE followed by western blot with 13463-1-AP (PER1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



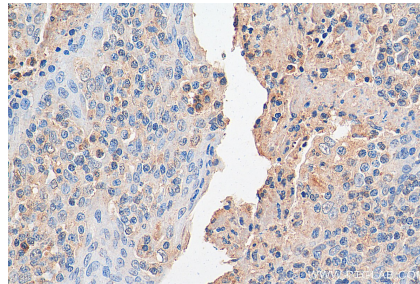
Immunofluorescent analysis of HeLa cells, using PER1 antibody 13463-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13463-1-AP (PER1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13463-1-AP (PER1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 13463-1-AP (PER1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).