For Research Use Only

PER1 Polyclonal antibody Catalog Number: 13463-1-AP 19 Publications

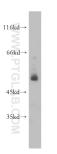
Antibodies | ELISA kits | Proteins www.ptglab.com

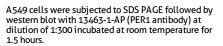
Basic Information	Catalog Number: 13463-1-AP	GenBank Accession Num BC028207		cation Method: en affinity purification	
	Size:	GeneID (NCBI):		nmended Dilutions:	
	150ul , Concentration: 450 ug/ml by	5187		:500-1:3000	
	Nanodrop;	UNIPROT ID:		1:50-1:500 C: 1:20-1:200	
	Source:	015534	IF/IC	C. 1.20-1.200	
	Rabbit	Full Name: period homolog 1 (Drosophila) Calculated MW: 1290 aa, 136 kDa			
	Isotype: IgG				
	Immunogen Catalog Number: AG4249				
		Observed MW: 50-55 kDa			
Applications	Tested Applications:	Р	Positive Controls:		
	WB, IHC, IF/ICC, ELISA		: A549 cells, human brain tissue, mouse kidney		
	Cited Applications: WB, IHC, IF, CoIP, ChIP	tissue, mouse liver tissue			
	Species Specificity:		HC : human breast of ssue	ancer tissue, human tonsillitis	
	human, mouse, rat				
	Cited Species:	IF/ICC : Hela cells,			
	human, mouse, rat				
	TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0				
Background Information	PER1 is a master regulator of circadia circadian clock genes. The periodicity regulated by PER1 phosphorylation, i component of the circadian clock me clock function by interacting with oth 9856465, 20930143]. In addition to b and 45 kDa is detected that is predom	y of PER1 abundance, nuclusion, and proteas ubiquitination, and proteas chanism which is essentia ner circadian regulatory pr ands of the predicted mole	ear translocation, a somal degradation I for generating cir oteins and transpor ecular mass of 140	nd transcriptional repression is [PMID: 21514639]. It is one cadian rhythms. It can influences ting them to the nucleus [PMID:	
Notable Publications	Author Pub	med ID Journal		Application	
	Yinfeng Liu 347	12059 Int J Gen	Med	IF	
	Mark A Naven 356	64072 Theranos	tics	IF	
	Xinxing Wan 337	41899 Cell Deat	th Dis	WB	
Storage	Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50 Aliquoting is unnecessary for -20°C s	% glycerol, pH7.3			

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.

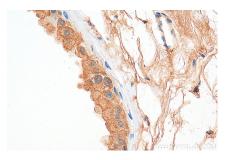
Selected Validation Data



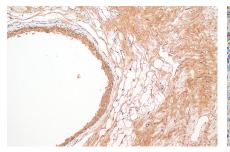




Immunofluorescent analysis of Hela cells, using PER1 antibody 13463-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical analysis of paraffinembedded 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 paraffinembedded 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 paraffinembedded 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).