

For Research Use Only

PER3 Polyclonal antibody

Catalog Number: 12550-1-AP

8 Publications



Basic Information

Catalog Number: 12550-1-AP	GenBank Accession Number: BC026102	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8863	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P56645	
Isotype: IgG	Full Name: period homolog 3 (Drosophila)	
Immunogen Catalog Number: AG3400	Calculated MW: 1201 aa, 132 kDa	
	Observed MW: 132 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB	WB : HeLa cells,
Species Specificity: human, mouse, rat	IHC : human colon cancer tissue,
Cited Species: human, mouse, rat	IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The suprachiasmatic nuclei (SCN) of the anterior hypothalamus function as a circadian clock in the mammalian brain, generating circadian rhythms in physiology and behavior. The period homolog genes *Per3* is an important component of the circadian clock system. *PER3* plays a role in cell proliferation, apoptosis, DNA damage response, cell cycle control, and treatment response of chemotherapy agents in cancers.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenwen Luo	27373683	Int J Biochem Cell Biol	WB
Xiaopeng Song	35765090	Arthritis Res Ther	WB
Xiaomeng Shen	30100061	Biochem Biophys Res Commun	WB

Storage

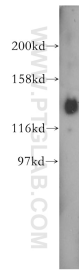
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

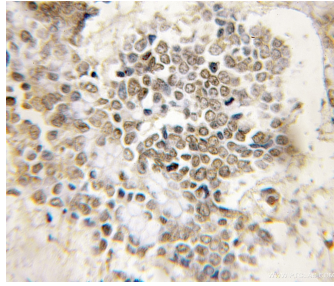
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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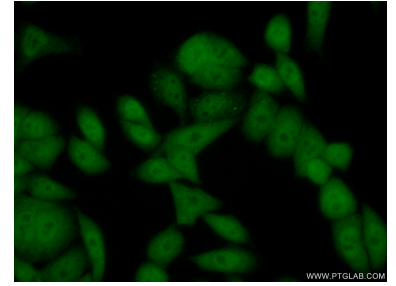
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 12550-1-AP (PER3 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 12550-1-AP (PER3 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 12550-1-AP (PER3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).