

For Research Use Only

p57Kip2 Polyclonal antibody

Catalog Number: 23317-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 23317-1-AP	GenBank Accession Number: BC067842	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 750 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1028	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P49918	
IsoType: IgG	Full Name: cyclin-dependent kinase inhibitor 1C (p57, Kip2)	
Immunogen Catalog Number: AG19849	Calculated MW: 316 aa, 32 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HeLa cells, SH-SY5Y cells, Jurkat cells IHC : human placenta tissue,
Cited Applications: WB, IHC, CoIP	
Species Specificity: human	
Cited Species: human	

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

CDKN1C, also named as p57KIP2 and KIP2, belongs to the CDI family. CDKN1C is a potent tight-binding inhibitor of several G1 cyclin/CDK complexes (cyclin E-CDK2, cyclin D2-CDK4, and cyclin A-CDK2) and, to lesser extent, of the mitotic cyclin B-CDC2. It is a negative regulator of cell proliferation. CDKN1C may play a role in maintenance of the non-proliferative state throughout life.

Notable Publications

Author	Pubmed ID	Journal	Application
Lu Yi	34650035	Cell Death Dis	WB, CoIP, IHC
Xiao-Yan He	28003306	Clin Cancer Res	WB
Yongkang Ma	39443724	Oncogene	WB

Storage

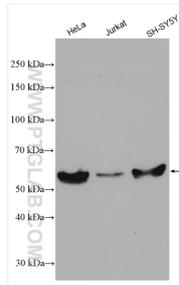
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

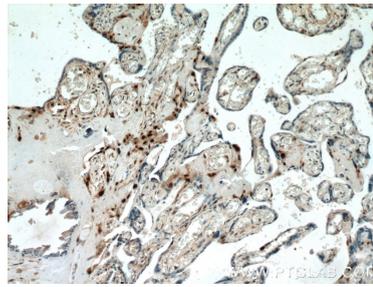
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

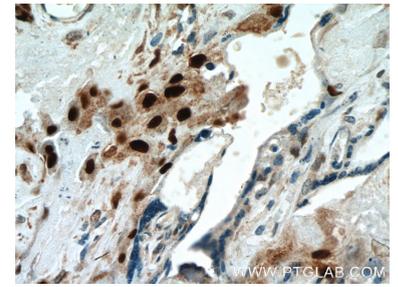
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 23317-1-AP (p57Kip2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 23317-1-AP (p57Kip2 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 23317-1-AP (p57Kip2 antibody at dilution of 1:200 (under 40x lens).