

For Research Use Only

p57Kip2 Polyclonal antibody

Catalog Number: 23317-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 23317-1-AP	GenBank Accession Number: BC067842	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 1028	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:20-1:200
Source: Rabbit	Full Name: cyclin-dependent kinase inhibitor 1C (p57, Kip2)	
Isotype: IgG	Calculated MW: 316 aa, 32 kDa	
Immunogen Catalog Number: AG19849	Observed MW: 57 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, SH-SY5Y cells, Jurkat cells IHC : human placenta tissue,
Cited Applications: CoIP, IHC, WB	
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
Xiaoyan Gao	37966425	FASEB J	WB

Storage

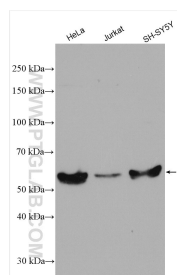
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

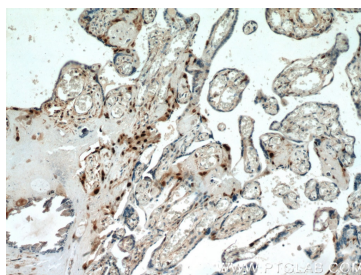
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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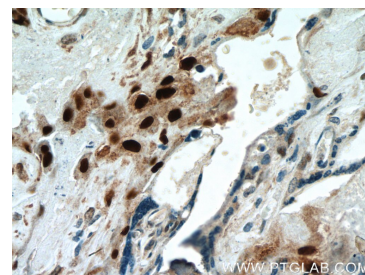
Selected Validation Data



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).