

For Research Use Only

p57Kip2 Polyclonal antibody

Catalog Number: 23317-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

23317-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19849

GenBank Accession Number:

BC067842

GeneID (NCBI):

1028

UNIPROT ID:

P49918

Full Name:

cyclin-dependent kinase inhibitor 1C
(p57, Kip2)

Calculated MW:

316 aa, 32 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

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**

Positive Controls:

WB : HeLa cells, SH-SY5Y cells, Jurkat cells

IHC : human placenta tissue,

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

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

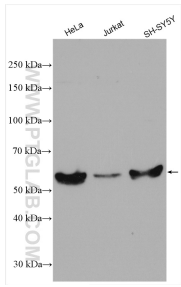
T: 4006900926

E: Proteintech-CN@ptglab.com

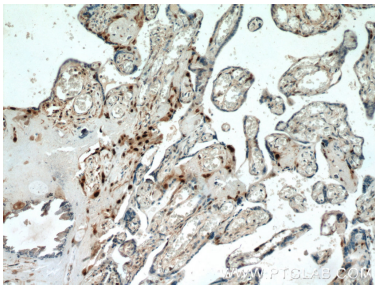
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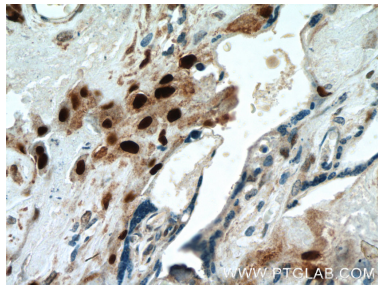
Selected Validation Data



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).