

For Research Use Only

# p57Kip2 Polyclonal antibody

Catalog Number: 23317-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

23317-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 433 ug/ml by Bradford method using BSA as the standard;

### 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

\*\*\* 20ul sizes contain 0.1% BSA

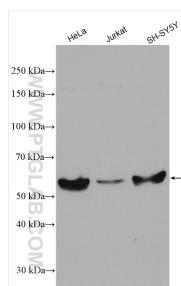
For technical support and original validation data for this product please contact:

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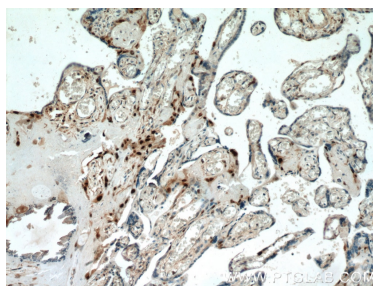
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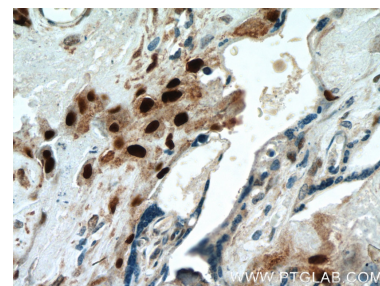
## Selected Validation Data



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).