

For Research Use Only

# p57Kip2 Monoclonal antibody

Catalog Number: 66794-1-Ig **7 Publications**



## Basic Information

<b>Catalog Number:</b> 66794-1-Ig	<b>GenBank Accession Number:</b> BC067842	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 1028	<b>CloneNo.:</b> 1A12H3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P49918	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> cyclin-dependent kinase inhibitor 1C (p57, Kip2)	
<b>Immunogen Catalog Number:</b> AG19927	<b>Calculated MW:</b> 316 aa, 32 kDa	
	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HSC-T6 cells, HCT 116 cells, HeLa cells, MDA-MB-231 cells, NIH/3T3 cells, RAW 264.7 cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human placenta tissue,
<b>Cited Species:</b> human, mouse, rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Giovanna Rigillo	34650038	Nat Commun	WB
Xia Li	39304928	J Transl Med	WB
Lu Yijian	38679350	Cell Signal	WB

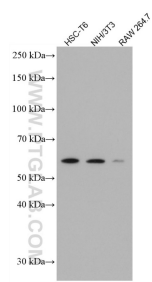
## Storage

**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

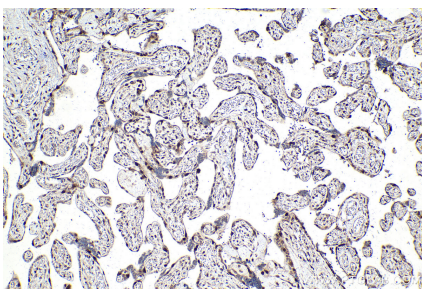
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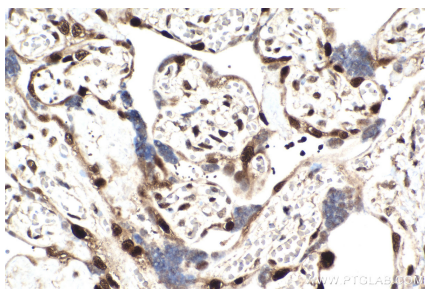
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66794-1-Ig (CDKN1C antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66794-1-Ig (p57Kip2 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66794-1-Ig (p57Kip2 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).