

For Research Use Only

# p57Kip2 Monoclonal antibody

Catalog Number: 66794-1-Ig **3 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 µg/ml	<b>GeneID (NCBI):</b> 1028	<b>CloneNo.:</b> 1A12H3
<b>Source:</b> Mouse	<b>Full Name:</b> cyclin-dependent kinase inhibitor 1C (p57, Kip2)	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 316 aa, 32 kDa	
<b>Immunogen Catalog Number:</b> AG19927	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HSC-T6 cells, HeLa cells, NIH/3T3 cells, RAW 264.7 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> mouse	

## 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
Gergely Rona	38260436	bioRxiv	WB
Yong-Jiang Zhou	37011868	Toxicology	WB

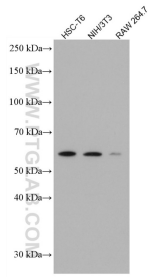
## Storage

**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:  
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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.