

For Research Use Only

# p107 Polyclonal antibody

Catalog Number: 13354-1-AP

Featured Product

16 Publications



## Basic Information

### Catalog Number:

13354-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4146

### GenBank Accession Number:

BC032247

### GeneID (NCBI):

5933

### UNIPROT ID:

P28749

### Full Name:

retinoblastoma-like 1 (p107)

### Calculated MW:

1068 aa, 119 kDa

### Observed MW:

119 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

## Applications

### Tested Applications:

WB, IP, ELISA

### Cited Applications:

WB, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, non-human primate

### Positive Controls:

WB: mouse testis tissue, COLO 320 cells

IP: mouse testis tissue,

## Background Information

Retinoblastoma-like protein 1, also named RBL1, p107, is a member of E1A-binding proteins, which contains a A/B pocket, or pRb. Via this structure, RBL1 can bind to viral oncoproteins and other proteins containing LXCXE motif. It regulates cell proliferation via phosphorylation-sensitive interactions with E2F transcription factors and other proteins. Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases SUV420H1 and SUV420H2, leading to epigenetic transcriptional repression.(uniprot). It has been reported there are two transcripts variants of RBL1, which encode a 119-kd protein and a 68-kd protein(PMID:7490090).

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoman Chen	30207732	Mol Pharm	WB
Dong Pan	34604239	Front Cell Dev Biol	WB
Debasmita Bhattacharya	34645816	Nat Commun	WB,IP

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

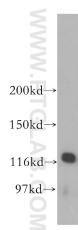
For technical support and original validation data for this product please contact:

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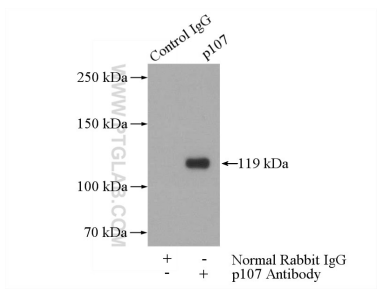
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Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13354-1-AP (p107 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-p107 (IP:13354-1-AP, 4ug; Detection:13354-1-AP 1:500) with mouse testis tissue lysate 4000ug.