

Datasheet for ABIN760693

**anti-p107 antibody (pThr369) (Biotin)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | p107 (RBL1)                                                                                                                                      |
| Binding Specificity: | pThr369                                                                                                                                          |
| Reactivity:          | Human                                                                                                                                            |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This p107 antibody is conjugated to Biotin                                                                                                       |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human p107 around the phosphorylation site of Thr369 |
| Isotype:              | IgG                                                                                                       |
| Cross-Reactivity:     | Human                                                                                                     |
| Predicted Reactivity: | Mouse,Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit                                                                |
| Purification:         | Purified by Protein A.                                                                                    |

## Target Details

|         |             |
|---------|-------------|
| Target: | p107 (RBL1) |
|---------|-------------|

## Target Details

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| Alternative Name: | p107 ( <a href="#">RBL1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Background:       | <p>Synonyms: RBL1phospho T369, 107 kDa retinoblastoma-associated protein, Cellular protein 107, Cellular protein p107, CP107, MGC40006, p107, PRB1, RBL1, RBL1_HUMAN, Retinoblastoma like protein 1, retinoblastoma-like 1 p107, Retinoblastoma-like protein 1.</p> <p>Background: p107 is a tumor suppressor protein that appears to be involved in cell cycle regulation, as it is phosphorylated in the S to M phase transition and is dephosphorylated in the G1 phase of the cell cycle. Both the RB1 protein and the product of this gene can form a complex with adenovirus E1A protein and SV40 large T-antigen, with the SV40 large T-antigen binding only to the unphosphorylated form of each protein. In addition, both proteins can inhibit the transcription of cell cycle genes containing E2F binding sites in their promoters. Due to the sequence and biochemical similarities with the RB1 protein, it is thought that the protein encoded by this gene may also be a tumor suppressor. Two transcript variants encoding different isoforms have been found for this gene.</p> |
| Gene ID:          | 5933                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pathways:         | <a href="#">Cell Division Cycle, Mitotic G1-G1/S Phases</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Application Details

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|--------------------|-----------------------------------------------------|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400<br>IHC-F 1:100-500 |
| Restrictions:      | For Research Use only                               |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |

Handling

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Storage Comment:                      Store at -20°C for 12 months.

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Expiry Date:                              12 months