

Datasheet for ABIN967864 anti-p130 antibody (AA 26-367)

3 Images

5 Publications



[Go to Product page](#)

Overview

Quantity:	150 µg
Target:	p130 (RBL2)
Binding Specificity:	AA 26-367
Reactivity:	Human, Rat, Mouse, Chicken, Blow Fly
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This p130 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Human Rb2 aa. 26-367
Clone:	10-Rb2
Isotype:	IgG2a
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Chicken, Fruit Fly (Drosophila melanogaster)
Characteristics:	<ol style="list-style-type: none"> 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 3. Source of all serum proteins is from USDA inspected abattoirs located in the United States. 4. Please refer to us for technical protocols.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
---------------	---

Target Details

Target:	p130 (RBL2)
Alternative Name:	Rb2 (RBL2 Products)
Background:	<p>The pRb2 protein shows a high degree of identity with pRb and the related p107 protein. Both pRb and p107 bind to the adenovirus E1A, SV40 large T antigen, and papillomavirus E7 viral proteins. This binding initiates the release of transcription factors which are required for the expression of cell cycle-regulated genes. pRb, pRb2, and p107 interact with a conserved motif in these three viral proteins. In the E1A protein, this area is known as transforming domain 2, which is required for growth activation. The E1A-binding domain in pRb and p107 is a conserved motif known as the pocket region which consists of conserved A and B regions separated by non-conserved spacers of different sizes in pRb and p107. It is the pocket regions of pRb and p107 that associate with the E2F transcription factor. pRb2 also contains the conserved pocket region suggesting that it has functional similarities to pRb and p107. This antibody is routinely tested by western blot analysis.</p>
Molecular Weight:	130 kDa
Pathways:	Cell Division Cycle , Mitotic G1-G1/S Phases

Application Details

Comment:	Related Products: ABIN968537, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

Storage Comment: Store undiluted at -20°C.

Publications

Product cited in: Fusaro, Wang, Chellappan: "Differential regulation of Rb family proteins and prohibitin during camptothecin-induced apoptosis." in: **Oncogene**, Vol. 21, Issue 29, pp. 4539-48, (2002) ([PubMed](#)).

Saitoh, Pizzi, Wang: "Perturbation of SUMOlation enzyme Ubc9 by distinct domain within nucleoporin RanBP2/Nup358." in: **The Journal of biological chemistry**, Vol. 277, Issue 7, pp. 4755-63, (2002) ([PubMed](#)).

Laplantine, Rossi, Sahni, Basilico, Cobrinik: "FGF signaling targets the pRb-related p107 and p130 proteins to induce chondrocyte growth arrest." in: **The Journal of cell biology**, Vol. 158, Issue 4, pp. 741-50, (2002) ([PubMed](#)).

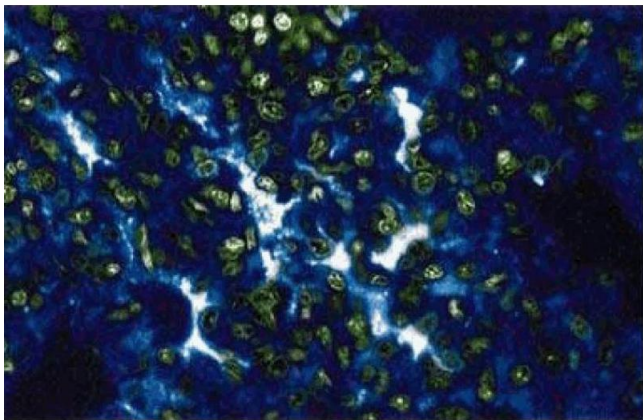
Mayol, Graña, Baldi, Sang, Hu, Giordano: "Cloning of a new member of the retinoblastoma gene family (pRb2) which binds to the E1A transforming domain." in: **Oncogene**, Vol. 8, Issue 9, pp. 2561-6, (1993) ([PubMed](#)).

Yeung, Bell, Testa, Mayol, Baldi, Graña, Klinga-Levan, Knudson, Giordano: "The retinoblastoma-related gene, RB2, maps to human chromosome 16q12 and rat chromosome 19." in: **Oncogene**, Vol. 8, Issue 12, pp. 3465-8, (1993) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of Rb2 on a Jurkat cell lysate. Lane 1: 1:1000, lane 2: 1:2000, lane 3: 1:4000 dilution of the anti- Rb2 antibody.



Immunofluorescence

Image 2. Immunofluorescent staining of rabbit lung.

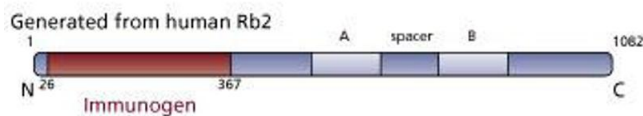


Image 3.