

Datasheet for ABIN1531625

**anti-Retinoblastoma Protein (Rb) antibody (pThr826)**[Go to Product page](#)**2** Images

## Overview

|                      |                                                            |
|----------------------|------------------------------------------------------------|
| Quantity:            | 100 µL                                                     |
| Target:              | Retinoblastoma Protein (Rb) (Rb Protein)                   |
| Binding Specificity: | AA 601-650, pThr826                                        |
| Reactivity:          | Human, Mouse, Rat                                          |
| Host:                | Rabbit                                                     |
| Clonality:           | Polyclonal                                                 |
| Conjugate:           | This Retinoblastoma Protein (Rb) antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF)      |

## Product Details

|               |                                                                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:    | The antiserum was produced against synthesized peptide derived from human Retinoblastoma around the phosphorylation site of Thr826.                                                                               |
| Isotype:      | IgG                                                                                                                                                                                                               |
| Specificity:  | Retinoblastoma (Phospho-Thr826) Antibody detects endogenous levels of Retinoblastoma only when phosphorylated at Thr826.<br>PhosphorylationH:T826 M:T819 R:T797                                                   |
| Purification: | The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Purity:       | > 95 %                                                                                                                                                                                                            |

## Target Details

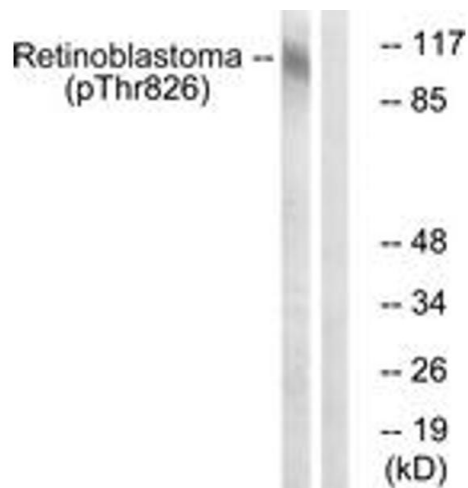
|                   |                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Target:           | Retinoblastoma Protein (Rb) (Rb Protein)                                                                                    |
| Abstract:         | <a href="#">Rb Protein Products</a>                                                                                         |
| Background:       | Synonyms: P105-RB, PP105, PP110, RB-1, RB1, retinoblastoma gene, Retinoblastoma-associated protein<br>NCBI Gene Symbol: RB1 |
| Molecular Weight: | 106 kDa                                                                                                                     |
| Gene ID:          | 5925                                                                                                                        |
| OMIM:             | 109800                                                                                                                      |
| UniProt:          | <a href="#">P06400</a>                                                                                                      |
| Pathways:         | <a href="#">Mitotic G1-G1/S Phases</a>                                                                                      |

## Application Details

|                    |                                                   |
|--------------------|---------------------------------------------------|
| Application Notes: | WB: 1:500~1:1000 IF: 1:100~1:500 ELISA: 1:1000    |
| Comment:           | Unigene-Number: Hs.408528 (NCBI Gene Symbol: RB1) |
| Restrictions:      | For Research Use only                             |

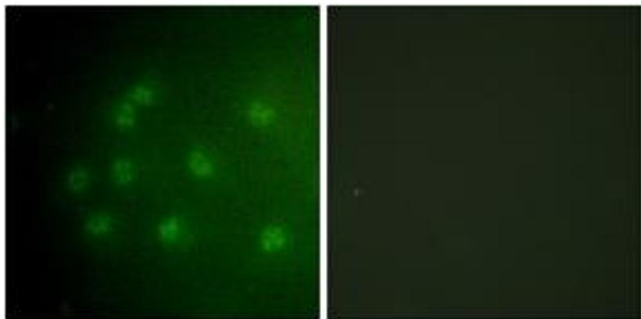
## Handling

|                    |                                                                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                  |
| Concentration:     | 1 mg/mL                                                                                                                                 |
| Buffer:            | phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative:      | Sodium azide                                                                                                                            |
| Precaution of Use: | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Storage:           | -20 °C                                                                                                                                  |
| Storage Comment:   | Stable at -20°C for at least 1 year.                                                                                                    |
| Expiry Date:       | 12 months                                                                                                                               |



#### Western Blotting

**Image 1.** Western blot analysis of extracts from HepG2 cells treated with nocodazole 1ug/ml 16h, using Retinoblastoma (Phospho-Thr826) Antibody. The lane on the right is treated with the synthesized peptide.



#### Immunofluorescence

**Image 2.** Immunofluorescence analysis of COS7 cells, using Retinoblastoma (Phospho-Thr826) Antibody. The picture on the right is treated with the synthesized peptide.