

Datasheet for ABIN233832

**anti-RSL1D1 antibody (Internal Region)****2** Images[Go to Product page](#)

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µg   |
| Target:              | RSL1D1   |
| Binding Specificity: | Internal Region  |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This RSL1D1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), ELISA, Immunoprecipitation (IP), Fluorescence Microscopy (FM) |

## Product Details

|                  |  |
|------------------|--|
| Immunogen:       | This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an sequence of human PBK1. |
| Isotype:         | IgG  |
| Characteristics: | Concentration Definition: by UV absorbance at 280 nm   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | RSL1D1   |
| Alternative Name: | PBK1 ( <a href="#">RSL1D1 Products</a> )   |
| Background:       | This antibody is designed, produced, and is suitable for Cancer, Immunology and Nuclear Signaling research. PBK1 protein (also known as Ribosomal L1 domain-containing protein 1, cellular senescence-inhibited gene protein, and CATX-11) was isolated from highly invasive first |

## Target Details

trimester trophoblast cells and has been proposed to regulate their naturally occurring invasive behavior (Huch et al., 1998). PBK1 was also found to be over-expressed in non-small-cell lung cancer (NSCLC) cells (Petroziello et al., 2004). A recent study suggests that PBK1 may up-regulate the urokinase-type plasminogen activator (uPA) gene, which plays an important role in cellular matrix degradation and

Synonyms: CATX11 antibody, Cellular senescence inhibited gene protein antibody, CSIG antibody, L12 antibody, Ribosomal L1 domain containing 1 antibody

Gene ID: 26156

UniProt: [O76021](#)

## Application Details

**Application Notes:** This affinity purified antibody has been tested for use in ELISA, immunoprecipitation, immunofluorescence microscopy and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 75 kDa in size corresponding to PBK1 by western blotting in the appropriate cell lysate or extract. This antibody is capable of detecting both over-expressed and endogenous PBK1. For immunofluorescence microscopy, fix cells with methanol.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

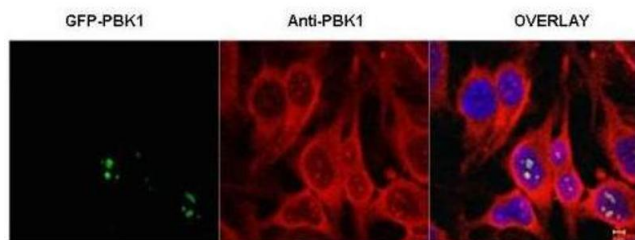
**Concentration:** 1.1 mg/mL

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Preservative:** Sodium azide

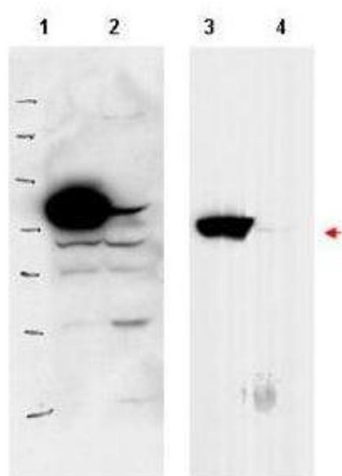
**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C



### Immunofluorescence

**Image 1.** Immunofluorescence microscopy of HeLa cells transfected with GFP-PBK1. In the overlay, specific antibody staining is shown to co-localize with recombinant protein. Cells were fixed with methanol prior to staining. Personal communication, J. McNally and D. Stavreva, NCI, Bethesda, MD.



### Western Blotting

**Image 2.** Western blot using affinity purified anti-PBK1 antibody shows detection of over-expressed PBK1 in lysates from HeLa cells transfected with Flag-PBK1. Lanes 1 and 3 contain lysate from Flag-PBK1 transfected HeLa cells. Lanes 2 and 4 contain lysate from cells transfected with null vector. Lanes 1 and 2 were blotted with anti-Flag antibody. Lanes 3 and 4 were probed with a 1:500 dilution of anti-PBK1. The band at 75 kDa, indicated by the arrowhead, corresponds to PBK1. Personal communication, J. McNally and D. Stavreva, NCI, Bethesda, MD.