

Datasheet for ABIN3032317  
**anti-Prohibitin 2 antibody (Middle Region)**

## 5 Images

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## Overview

Quantity:	100 µg
Target:	Prohibitin 2 (PHB2)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prohibitin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## Product Details

Immunogen:	An amino acid sequence from the middle region of human REA/PHB2 (RPNAQELPSMYQRLGLDY) was used as the immunogen for this Prohibitin 2 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

## Target Details

Target:	Prohibitin 2 (PHB2)
Alternative Name:	Prohibitin 2 ( <a href="#">PHB2 Products</a> )
Background:	Prohibitin 2, also called Repressor of Estrogen Receptor Activity (REA), is a protein that in

## Target Details

humans is encoded by the PHB2 gene. The International Radiation Hybrid Mapping Consortium mapped the gene to chromosome 12. Montano et al.(1999) showed that REA enhanced the potency of a dominant-negative ER-alpha mutant and antiestrogens as suppressors of ER-alpha activity in Chinese hamster ovary cells. When coexpressed with wildtype ER-alpha or ER-beta(ESR2), PHB2 suppressed activation of a reporter gene in a dose-dependent manner. It had no effect on reporter activity in the absence of liganded ER, and it had no effect on the transcriptional activities of other hormone receptors. Mutation analysis showed that an N-terminal domain and a central domain of PHB2 were required for its repressor activity.

UniProt: [Q99623](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#)

## Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Prohibitin 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL

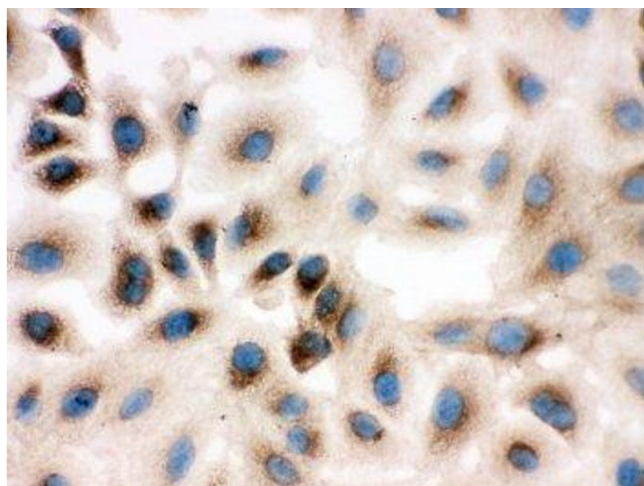
Restrictions: For Research Use only

## Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

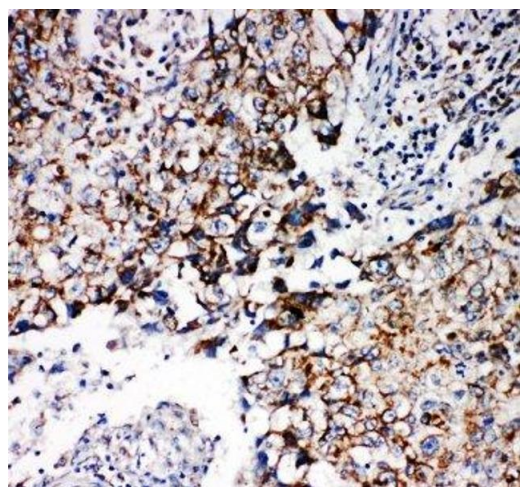
Storage: -20 °C

Storage Comment: After reconstitution, the Prohibitin 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



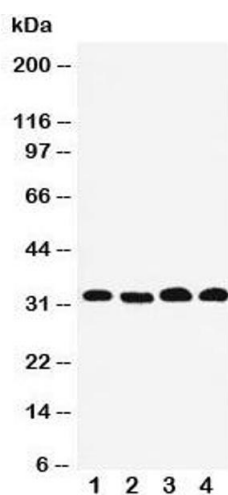
#### Immunocytochemistry

**Image 1.** ICC testing of Prohibitin 2 antibody and A549 cells



#### Immunohistochemistry

**Image 2.** IHC-P: Prohibitin 2 antibody testing of human lung cancer tissue



#### Western Blotting

**Image 3.** Western blot testing of Prohibitin 2 antibody and  
Lane 1: human PANC; 2: (h) COLO320; 3: (h) U87cell lysate;  
4: mouse HEPA. Predicted/observed size: 33KD

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3032317.