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Datasheet for ABIN7164704  
**anti-Prohibitin antibody (AA 1-272)**

3 Images

### Overview

Quantity:	100 µg
Target:	Prohibitin (PHB)
Binding Specificity:	AA 1-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prohibitin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP)

### Product Details

Immunogen:	Recombinant Human Prohibitin protein (1-272AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	Prohibitin (PHB)
Alternative Name:	PHB ( <a href="#">PHB Products</a> )
Background:	Background: Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating

## Target Details

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mitochondrial respiration activity and in aging.

Aliases: Epididymis luminal protein 215 antibody, Epididymis secretory sperm binding protein Li 54e antibody, HEL 215 antibody, HEL S 54e antibody, PHB antibody, PHB\_HUMAN antibody, PHB1 antibody, Prohibitin antibody

UniProt: [P35232](#)

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

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IP:1:200-1:2000,

Restrictions: For Research Use only

## Handling

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Format: Liquid

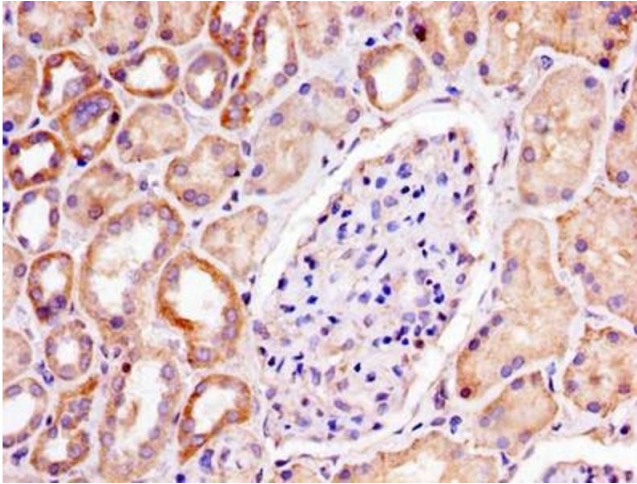
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

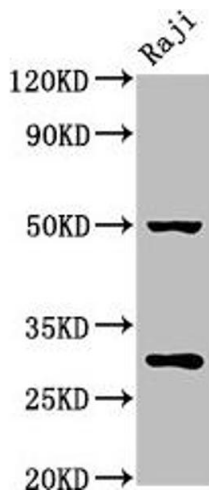
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



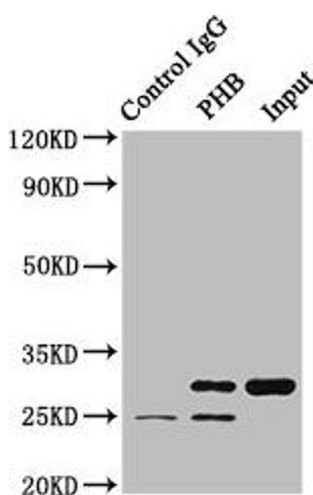
### Immunohistochemistry

**Image 1.** IHC image of ABIN7164704 diluted at 1:300 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Raji whole cell lysate All lanes: PHB antibody at 4.5 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 30, 18 kDa Observed band size: 30 kDa



### Western Blotting

**Image 3.** Immunoprecipitating PHB in HEK293 whole cell lysate Lane 1: Rabbit control IgG (1 µg) instead of ABIN7164704 in HEK293 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7164704 (8 µg) + HEK293 whole cell lysate (500 µg) Lane 3: HEK293 whole cell lysate (10 µg)