

# Prohibitin 2 (PHB2) Rabbit pAb

Catalog No.: A4504

2 Publications

## Basic Information

### Observed MW

32kDa

### Calculated MW

33kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IP, ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

Enables several functions, including protein C-terminus binding activity; protein N-terminus binding activity; and protein dimerization activity. Involved in several processes, including defense response to virus; positive regulation of cell cycle phase transition; and regulation of transcription, DNA-templated. Located in several cellular components, including cell surface; mitochondrial membrane; and nuclear matrix. Part of mitochondrial prohibitin complex.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IHC-P** 1:50 - 1:100

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

### Gene ID

11331

### Swiss Prot

Q99623

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

BAP; REA; p22; hBAP; Bap37; BCAP37; PNAS-141; Prohibitin 2 (PHB2)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

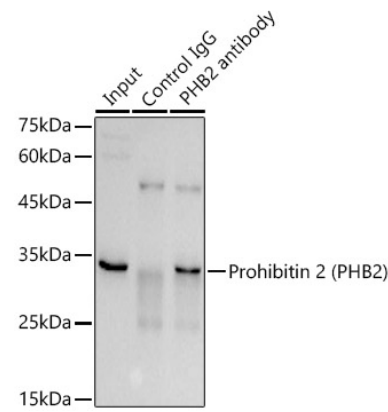
Affinity purification

### Storage

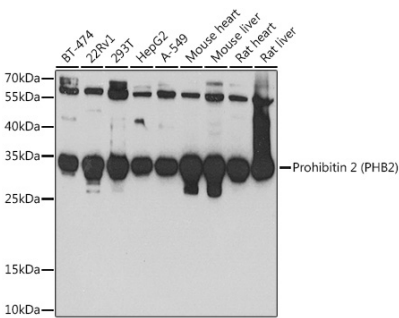
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

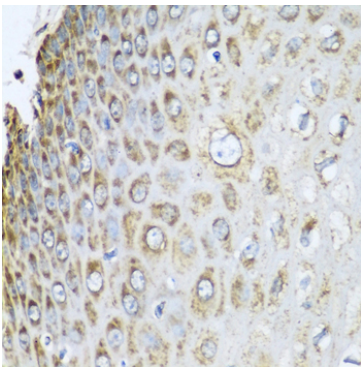
Validation Data



Immunoprecipitation analysis of 300 µg extracts of A-549 cells using 3 µg Prohibitin 2 (PHB2) antibody (A4504). Western blot was performed from the immunoprecipitate using Prohibitin 2 (PHB2) antibody (A4504) at a dilution of 1:1000.



Western blot analysis of various lysates using Prohibitin 2 (PHB2) Rabbit pAb (A4504) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human esophagus using Prohibitin 2 (PHB2) Rabbit pAb (A4504) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.