

Datasheet for ABIN391412

**anti-Prohibitin 2 antibody (AA 106-134)****3** Images[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	Prohibitin 2 (PHB2)
Binding Specificity:	AA 106-134
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Prohibitin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PHB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-134 amino acids from human PHB2.
Clone:	RB15314
Isotype:	Ig Fraction
Predicted Reactivity:	B, C, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	Prohibitin 2 (PHB2)
Alternative Name:	PHB2 ( <a href="#">PHB2 Products</a> )

## Target Details

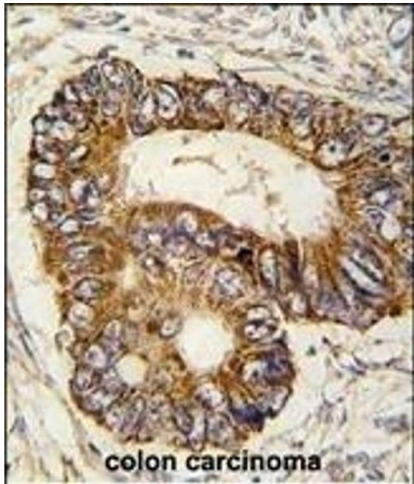
Background:	PHB2 acts as a mediator of transcriptional repression by nuclear hormone receptors via recruitment of histone deacetylases. It functions as an estrogen receptor (ER)-selective coregulator that potentiates the inhibitory activities of antiestrogens and represses the activity of estrogens. It competes with NCOA1 for modulation of ER transcriptional activity and is probably involved in regulating mitochondrial respiration activity and in aging.
Molecular Weight:	33296
Gene ID:	11331
NCBI Accession:	<a href="#">NP_001138303</a> , <a href="#">NP_001254629</a>
UniProt:	<a href="#">Q99623</a>
Pathways:	<a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

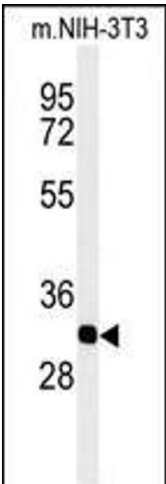
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



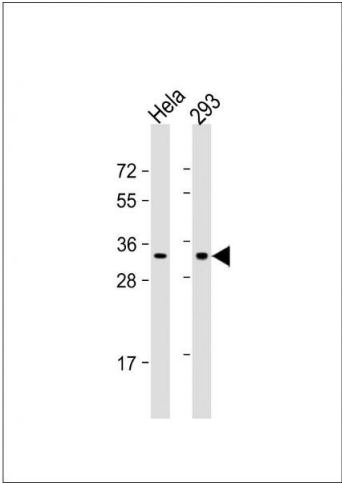
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with PHB2 Antibody (ABIN391412 and ABIN2841409) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

**Image 2.** Western blot analysis of PHB2- (ABIN391412 and ABIN2841409) in mouse NIH-3T3 cell line lysates (35  $\mu$  g/lane).PHB2 (arrow) was detected using the purified Pab.



Western Blotting

**Image 3.** All lanes : Anti-Phospho-PHB2-. ctrl at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: 293 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.