

Datasheet for ABIN969353  
**anti-Prohibitin antibody**[Go to Product page](#)

9 Images

2 Publications

## Overview

Quantity:	100 µL
Target:	Prohibitin (PHB)
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Prohibitin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Purified recombinant fragment of human PHB expressed in E. coli.
Clone:	5H7
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	Prohibitin (PHB)
Alternative Name:	PHB ( <a href="#">PHB Products</a> )
Background:	Description: Prohibitin is an evolutionarily conserved gene that is ubiquitously expressed. It is thought to be a negative regulator of cell proliferation and may be a tumor suppressor. Mutations in PHB have been linked to sporadic breast cancer. Prohibitin is expressed as two

## Target Details

transcripts with varying lengths of 3' untranslated region. The longer transcript is present at higher levels in proliferating tissues and cells, suggesting that this longer 3' untranslated region may function as a trans-acting regulatory RNA.

Aliases: PHB1

Molecular Weight: 30 kDa

Gene ID: 5245

HGNC: 5245

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

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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

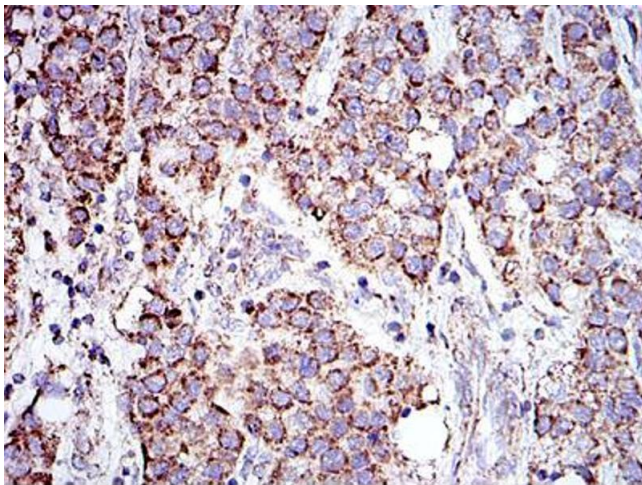
Storage Comment: 4°C, -20°C for long term storage

## Publications

Product cited in: Dupasquier, Abdel-Samad, Glazer, Bastide, Jay, Joubert, Cavaillès, Blache, Quittau-Prévostel: "A new mechanism of SOX9 action to regulate PKCalpha expression in the intestine epithelium." in: **Journal of cell science**, Vol. 122, Issue Pt 13, pp. 2191-6, (2009) ([PubMed](#)).

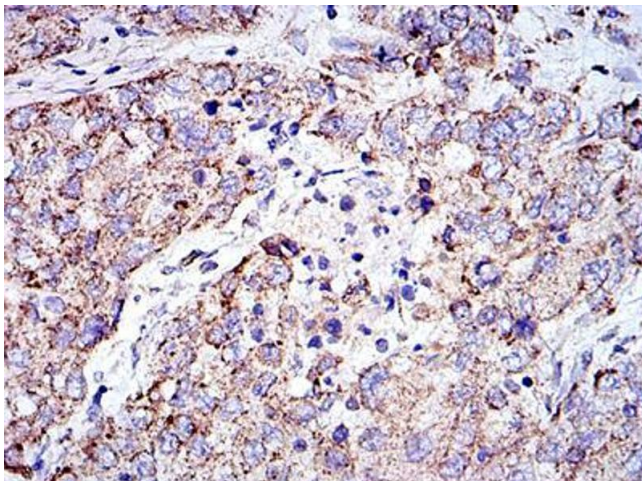
Gordon, Tan, Benko, Fitzpatrick, Lyonnet, Farlie: "Long-range regulation at the SOX9 locus in development and disease." in: **Journal of medical genetics**, Vol. 46, Issue 10, pp. 649-56, (2009) ([PubMed](#)).

## Images



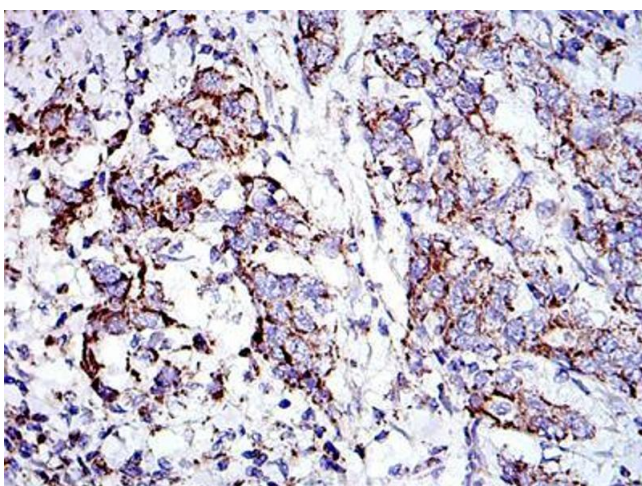
### Immunohistochemistry

**Image 1.** Immunohistochemical analysis of paraffin-embedded liver cancer tissues using PHB mouse mAb with DAB staining.



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded lung cancer tissues using PHB mouse mAb with DAB staining.



### Immunohistochemistry

**Image 3.** Immunohistochemical analysis of paraffin-embedded stomach cancer tissues using PHB mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN969353.