# Recombinant Prohibitin Monoclonal Antibody

**catalog number:** **E-AB-81601**

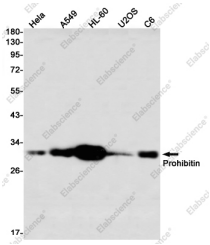
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human;Rat |
| **Immunogen** | A synthetic peptide of human Prohibitin |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Clone** | C723387 |
| **Purification** | Affinity Purified |
| **Buffer** | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:1000 |
| **IHC** | 1:50-1:100 |

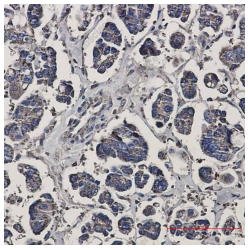
## Data




Western blot detection of Prohibitin in Hela,A549,HL-60,U2OS,C6 using Prohibitin Rabbit mAb(1:1000 diluted)

**Observed-MW:30 kDa**

**Calculated-MW:30 kDa**



Immunohistochemistry of Prohibitin in paraffin-embedded Human Cholangiocarcinoma using Prohibitin Rabbit mAb at dilution 1:50

## Preparation & Storage

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|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## Background

Prohibitin,also known as PHB,a member of the Band-7 family of proteins,is widely distributed in bacteria,plants,yeast, protozoa and mammals and is important in cell proliferation,differentiation and apoptosis . This protein localizes to the inner membrane of mitochondria,where it acts as a chaperone protein,and is also found in the nucleus,where it negatively regulates transcription . Recent study confirmed that the expression and distribution of PHB,which is a nuclear matrix protein,affect the apoptosis of HaCaT cells and its co-localization with specific gene products connected with cell apoptosis .


Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com