



Mouse Monoclonal Antibody **Prohibitin** conjugated to Sepharose Beads

CatalogNo: **ANT8129-M**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

**Prohibitin (ANT0004R) Rabbit mAb**

Formulation: Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg ANa3.

**Host Species**

- Rabbit
- Human, Mouse, Rat,

**Reactivity**

- WB, IHC, IF, IP, ELISA

**Applications**

**MW**

- 30kD (Calculated)
- IgG, Kappa
- 30kD (Observed)

**Isotype**

## **Recommended Dilution Ratios**

Basic Information

Clonality	Monoclonal
Clone Number	ANT0004R

Immunogen Information Specificity

Endogenous

Gene name	PHB
Protein Name	Prohibitin

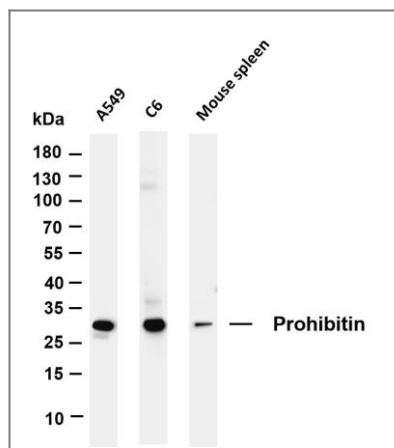
Organism	Gene ID	UniProt ID
Human	<a href="#">5245;</a>	<a href="#">P35232;</a>
Mouse	<a href="#">18673;</a>	<a href="#">P67778;</a>
Rat	<a href="#">25344;</a>	<a href="#">P67779;</a>

Cellular Localization	Cytoplasm
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Tissue specificity Widely expressed in different tissues.

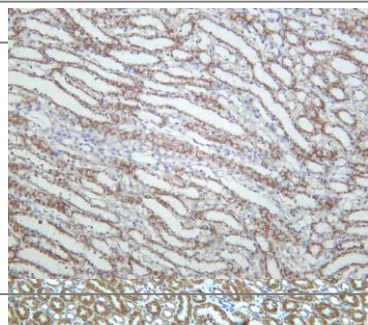
**Function** developmental stage:Levels of expression in fibroblasts decrease heterogeneously during cellular aging.,Disease:Mutated in sporadic breast cancer.,Function:Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this effect. May play a role in regulating mitochondrial respiration activity and in aging.,induction:Expression increases approximately 3-fold upon entry into G1 phase compared with other phases of the cell cycle. Also induced following inhibition of mitochondrial protein synthesis by thiamphenicol.,similarity:Belongs to the prohibitin family.,subunit:Interacts with PHB2.,tissue specificity:Widely expressed in different tissues.,

## Validation Data

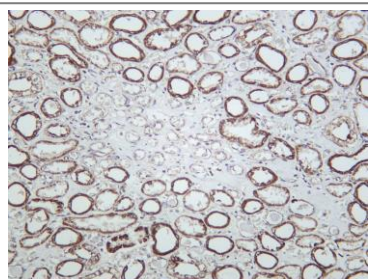


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Prohibitin (ANT0004R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: C6 Lane 3: Mouse spleen Predicted band size:

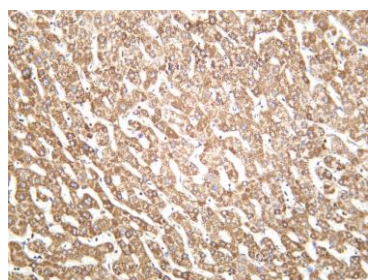
30kDa Observed band size: 30kDa



Mouse kidney was stained with Anti-Prohibitin (ANT0004R) rabbit antibody  
Rat kidney was stained with Anti-Prohibitin (ANT0004R) rabbit antibody



Human kidney was stained with Anti-Prohibitin (ANT0004R) rabbit antibody



Human liver was stained with Anti-Prohibitin (ANT0004R) rabbit antibody

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