



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

CatalogNo: **ANT8129-S**

Size 200ul

Storage Store at 4 °C for frequent use

Description

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

Prohibitin (ANT0004R) Rabbit mAb

Formulation: 50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

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

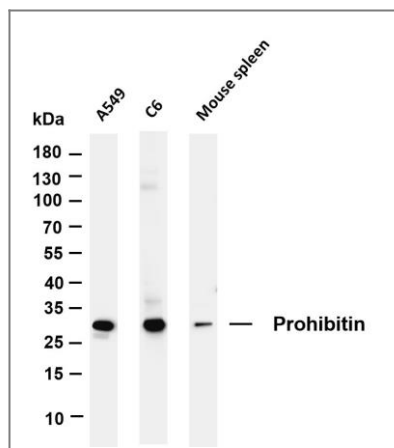
Organism	Gene ID	UniProt ID
Human	5245;	P35232;
Mouse	18673;	P67778;
Rat	25344;	P67779;

Cellular Localization	Cytoplasm
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Tissue specificity Widely expressed in different tissues.

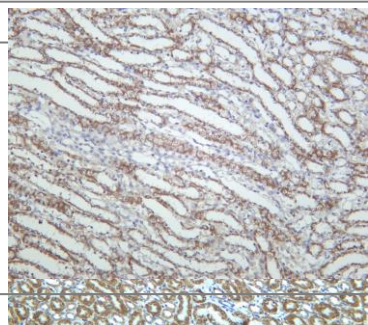
Function developmental stage:Levels of expression in fibroblasts decrease heterogeneously during cellular aging.,Disease:Mutated in sporadic breast cancer.,Function:Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this 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

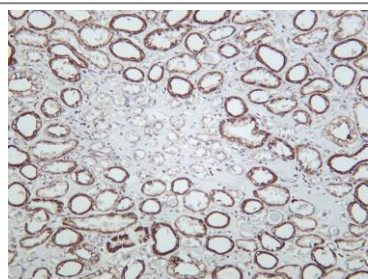


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Prohibitin (ANT0004R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: C6 Lane 3: Mouse spleen Predicted band size:

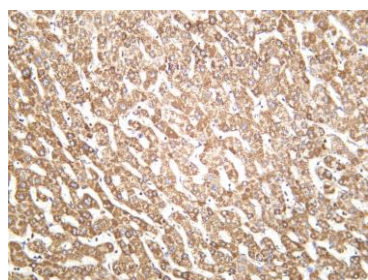
30kDa Observed band size: 30kDa



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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