



Prohibitin (ANT0004R) Rabbit mAb

CatalogNo: ANT8129 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 30kD (Calculated)
- 30kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1000

WB 1:1000-5000

IF 1:200-1000

ELISA 1:5000-20000

IP 1:50-200

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0004R

Target Information

Endogenous

Gene name PHB
Protein Name Prohibitin

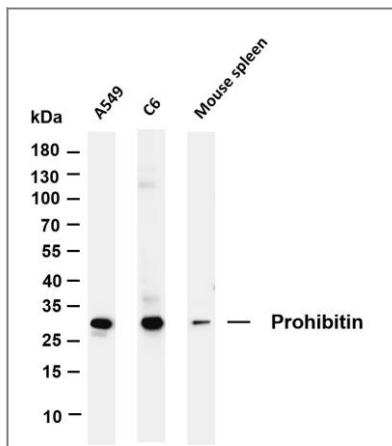
Organism	Gene ID	UniProt ID
Human	5245;	P35232;
Mouse	18673;	P67778;
Rat	25344;	P67779;

Cellular Localization Cytoplasm

Tissue specificity Widely expressed in different tissues.

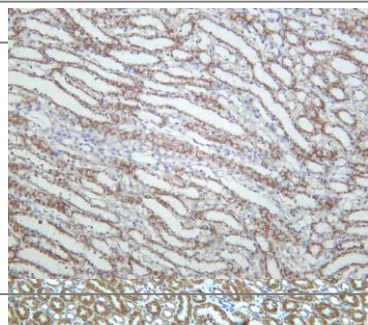
Function developmental stage:Levels of expression in fibroblasts decrease heterogeneously during cellular aging.,Disease:Mutated in sporadic breast cancer.,Function:Prohibitin inhibits DNA synthesis. It has a role in regulating proliferation. As yet it is unclear if the protein or the mRNA exhibits this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

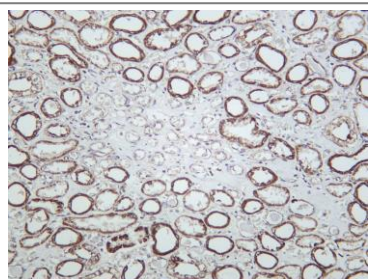


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Prohibitin (ANT0004R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: C6 Lane 3: Mouse spleen Predicted band size:

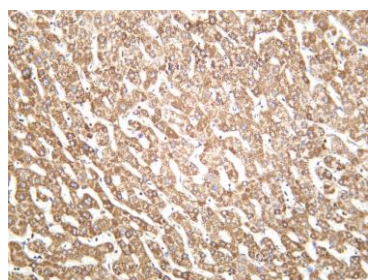
30kDa Observed band size: 30kDa



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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