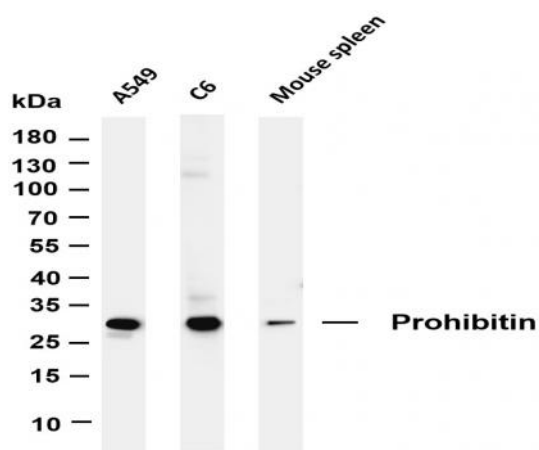


Prohibitin (PT0204R) PT® Rabbit mAb

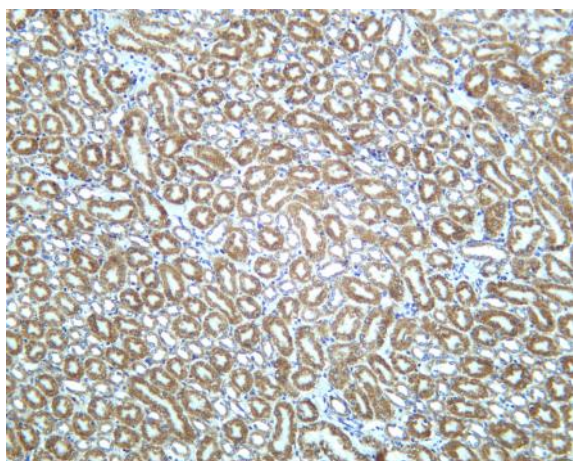
Catalog No :	YM8129
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	Prohibitin
Gene Name :	PHB
Protein Name :	Prohibitin
Human Gene Id :	5245
Human Swiss Prot No :	P35232
Mouse Gene Id :	18673
Mouse Swiss Prot No :	P67778
Rat Gene Id :	25344
Rat Swiss Prot No :	P67779
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:200-1000,WB 1:1000-5000,IF 1:200-1000,ELISA 1:5000-20000,IP 1:50-200
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight :	30kD
Observed Band :	30kD
P References :	1. Biochem Biophys Res Commun. 2009 Dec 18;390(3):1023-8. 2. J Cell Biochem. 2009 Nov 1;108(4):926-34.
Background :	prohibitin(PHB) Homo sapiens This gene is evolutionarily conserved, and its product is proposed to play a role in human cellular senescence and tumor suppression. Antiproliferative activity is reported to be localized to the 3' UTR, which is proposed to function as a trans-acting regulatory RNA. Several pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013],
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.,
Subcellular Location :	Cytoplasm
Expression :	Widely expressed in different tissues.
Tag :	hot,recombinant
Sort :	13037
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

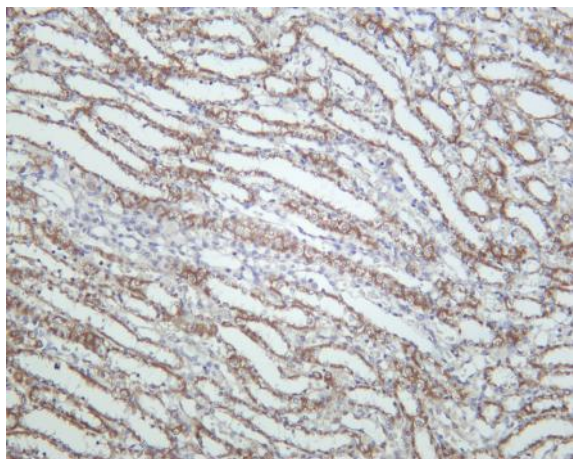
Products Images



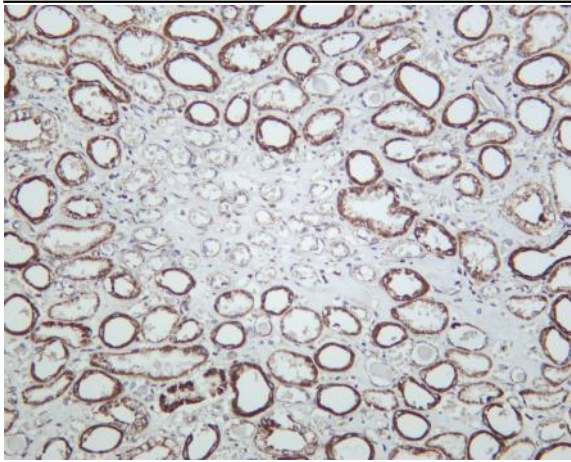
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Prohibitin (PT0204R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: A549 Lane 2: C6 Lane 3: Mouse spleen Predicted band size: 30kDa Observed band size: 30kDa



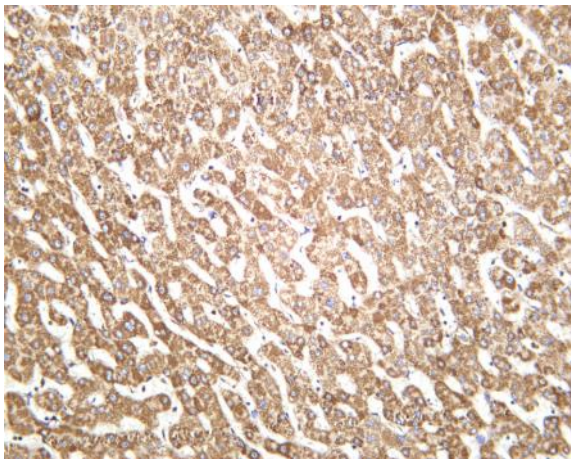
Mouse kidney was stained with Anti-Prohibitin (PT0204R) rabbit antibody



Rat kidney was stained with Anti-Prohibitin (PT0204R) rabbit antibody



Human kidney was stained with Anti-Prohibitin (PT0204R) rabbit antibody



Human liver was stained with Anti-Prohibitin (PT0204R) rabbit antibody