

NQO1 (ANT0071R) Rabbit mAb

CatalogNo: ANT8039 **Recombinant R**

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

- 31kD (Calculated)
 - IgG,Kappa
- 31kD (Observed)

Isotype

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200,

Storage

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

Basic Information

Clonality Monoclonal

Clone Number ANT0071R

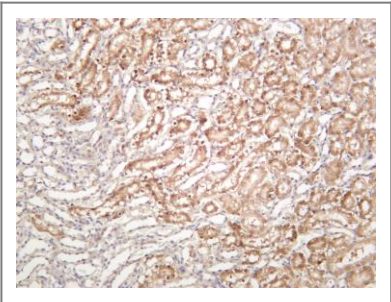
Immunogen Information

Sequence NAD(P)H dehydrogenase [quinone] 1

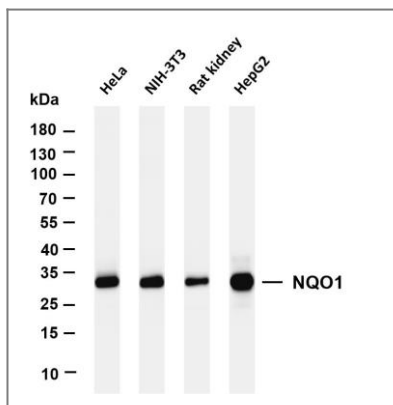
Target Information

Gene name	>>Ubiquinone and other terpenoid-quinone biosynthesis;>>Metabolic pathways;>>Biosynthesis of cofactors;>>Pathways in cancer;>>Chemical carcinogenesis reactive oxygen species;>>Hepatocellular carcinoma;>>Fluid shear stress and atherosclerosis		
Protein Name	NQO1		
	Organism	Gene ID	UniProt ID
	Human	1728 ;	P15559 ;
	Mouse		Q64669 ;
Cellular Localization	Cytoplasm		
Tissue specificity	Colon,Liver,Pooled,		
Function	Catalytic activity:NAD(P)H + a quinone = NAD(P)(+) + a hydroquinone.,cofactor:FAD.,enzyme regulation:Inhibited by dicoumarol.,Function:The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.,induction:By dioxin.,mass spectrometry: PubMed:11735396,miscellaneous:Quinone reductase accepts electrons from both NADH and NADPH with equal efficiency.,polymorphism:The Ser-187 polymorphism may be linked to susceptibility to forms of cancers.,similarity:Belongs to the NAD(P)H dehydrogenase (quinone) family.,subunit:Homodimer,		

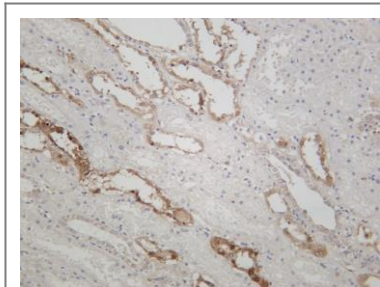
Validation Data



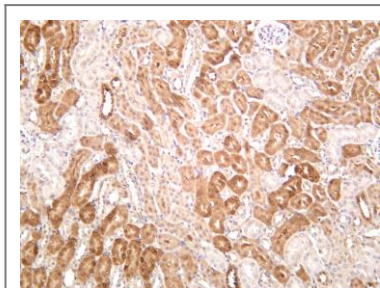
Rat kidney was stained with anti-NQO1 (ANT0071R) rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NQO1 (ANT0071R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: NIH-3T3 Lane 3: Rat kidney Lane 4: HepG2
 Predicted band size: 31kDa Observed band size: 31kDa



Human kidney was stained with anti-NQO1 (ANT0071R) rabbit antibody



Mouse kidney was stained with anti-NQO1 (ANT0071R) rabbit antibody

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