

Hexokinase II (ANT0089R) Rabbit mAb

CatalogNo: ANT8118 **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

- 87kD (Calculated)
- 100kD (Observed)

Isotype

- IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-400

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 ANT0089R

Target Information

Immunogen Information Specificity

Endogenous

Gene name HK2
Protein Name Hexokinase-2

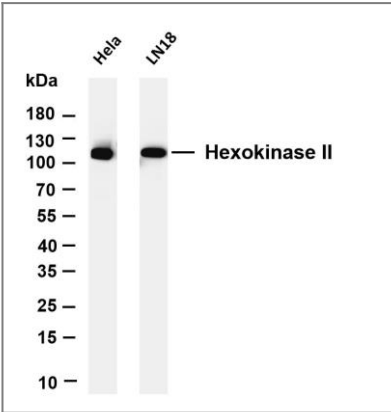
Organism	Gene ID	UniProt ID
Human	3099 ;	P52789 ;
Mouse	15277 ;	O08528 ;
Rat	25059 ;	P27881 ;

Cellular Localization Cytoplasm

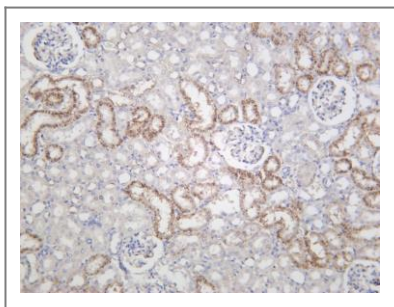
Tissue specificity Predominant hexokinase isozyme expressed in insulin-responsive tissues such as skeletal muscle.

Function Catalytic activity:ATP + D-hexose = ADP + D-hexose 6-phosphate.,Domain:The N- and Cterminal halves of this hexokinase show extensive sequence similarity to each other. The catalytic activity is associated with the C-terminus while regulatory function is associated with the N-terminus.,enzyme regulation:Hexokinase is an allosteric enzyme inhibited by its product Glc-6-P.,miscellaneous:In vertebrates there are four major glucose-phosphorylating isoenzymes, designated hexokinase I, II, III and IV (glucokinase).,online information:Hexokinase entry,pathway:Carbohydrate metabolism; hexose metabolism.,polymorphism:Although found in NIDDM patients, genetic variations of HK2 do not contribute to the disease.,similarity:Belongs to the hexokinase family.,subcellular location:Its hydrophobic N-terminal sequence may be involved in membrane binding.,subunit:Monomer.,tissue specificity:Predominant hexokinase isozyme expressed in insulin-responsive tissues such as skeletal muscle.,

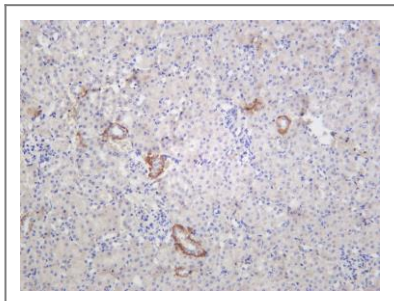
Validation Data



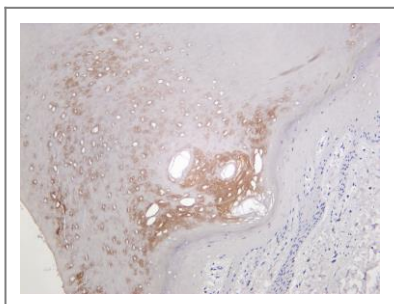
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Hexokinase II (ANT0089R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: LN18
Predicted band size: 87kDa Observed band size: 100kDa



Rat kidney was stained with Anti-Hexokinase II (ANT0089R) rabbit antibody



Mouse kidney was stained with Anti-Hexokinase II (ANT0089R) rabbit antibody



Human skin was stained with Anti-Hexokinase II (ANT0089R) rabbit antibody

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