

HK2 (Hexokinase II) Antibody (N-term)

Catalog_no :	AB2578
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:91-121
Specificity :	This HK2 (Hexokinase II) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 91-121 amino acids from the N-terminal region of human HK2 (Hexokinase II).
Dilution :	WB,1:1000;IHC-P,1:50~100;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Other_name :	Hexokinase-2, Hexokinase type II, HK II, Muscle form hexokinase, HK2
Isotype :	Rabbit Ig
Background :	In vertebrates there are four major glucose-phosphorylating isoenzymes, designated hexokinase I, II, III, and IV. Hexokinase is an allosteric enzyme inhibited by its product GLC-6-P. Hexokinase activity is involved in the first step in several metabolic pathways. HK3 is bound to the outer mitochondrial membrane. Its hydrophobic N-terminal sequence may be involved in membrane binding. It is the predominant hexokinase isozyme expressed in insulin-responsive tissues such as skeletal muscle. The N- and C-terminal 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. Although found in NIDDM patients, genetic variations of HK2 do not contribute to the disease.
reference :	Lehto, M., et al., Diabetologia 38(12):1466-1474 (1995). Vidal-Puig, A., et al., Diabetes 44(3):340-346 (1995). Laakso, M., et al., Diabetes 44(3):330-334 (1995). Echwald, S.M., et al., Diabetes 44(3):347-353 (1995). Shinohara, Y., et al., Cancer Let