



HXK III Monoclonal Antibody

Catalog No	YP-mAb-14779
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HK3
Immunogen	The antiserum was produced against synthesized peptide derived from human Hexokinase-3. AA range:811-860
Specificity	HXK III Monoclonal Antibody detects endogenous levels of HXK III protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Hexokinase 3;hexokinase 3 (white cell);Hexokinase type III;HK III;HK3;HKIII;HXK3;HXK III;Hexokinase-3
Observed Band	99kD
Calculated Molecular Weight	99kD
Cell Pathway	cell,mitochondrion,cytosol,
Tissue Specificity	Blood,Liver,Spleen,
Function	catalytic activity:ATP + D-hexose = ADP + D-hexose 6-phosphate.,domain: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.,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.,similarity:Belongs to the hexokinase family.,subunit:Monomer.,



Background

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate. [provided by RefSeq, Apr 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

