



Mouse anti-Human HK3 monoclonal antibody, clone 5G6 (CABT-B10403)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant protein corresponding to full length human HK3.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	5G6
Conjugate	Unconjugated
Applications	WB,ELISA
Format	Liquid
Size	100 µl
Buffer	In PBS, pH 7.4 (0.1% sodium azide)
Storage	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing of samples.

BACKGROUND

Introduction	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]
Keywords	HK3; hexokinase 3 (white cell); HXK3; HKIII; hexokinase-3; HK III; hexokinase type III; ATP:D-

hexose 6-phosphotransferase;

GENE INFORMATION

Entrez Gene ID	3101
UniProt ID	P52790
Pathway	Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino sugar and nucleotide sugar metabolism, conserved biosystem; Butirosin and neomycin biosynthesis, organism-specific biosystem; Butirosin and neomycin biosynthesis, conserved biosystem; Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem
Function	ATP binding; enzyme binding; glucokinase activity; hexokinase activity; hexokinase activity; hormone binding; kinase activity; nucleotide binding; transferase activity
