

32-5981: Mouse Anti Human Hexokinase-2(Clone:P1A7AT.)

Clonality :	Monoclonal
Clone Name :	P1A7AT.
Application :	ELISA,WB
Gene :	HK2
Gene ID :	3099
Uniprot ID :	P52789
Format :	Purified
Alternative Name :	Hexokinase-2,EC 2.7.1.1,HK2,Hexokinase type II,HK II,Muscle form hexokinase,HXK2,DKFZp686M1669.
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human Hexokinase-2 mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human Hexokinase-2 amino acids 1-917 purified from E. coli.

Description

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. Hexokinase 2 is the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells.

Product Info

Amount :	20 µg
Purification :	Hexokinase-2 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

Hexokinase-2 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~ 3,000. Recommended starting dilution is 1:2,000.