

### 32-5980: Mouse Anti Human Hexokinase-1(Clone:P4D7AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P4D7AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	HK1
<b>Gene ID :</b>	3098
<b>Uniprot ID :</b>	P19367
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Hexokinase-1,EC 2.7.1.1,Hexokinase type I,HK I,Brain form hexokinase,HK1-ta,HK1-tb,HXK1,HK1.
<b>Isotype :</b>	Mouse IgG2a heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human Hexokinase-1 mAb is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human Hexokinase-1 amino acids 1-917 purified from E. coli.

#### Description

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. Hexokinase1 encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of HXK1 results in five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein.

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Hexokinase-1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	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-1 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 ~ 2,000. Recommended starting dilution is 1:1,000.