
Product Name: Hexokinase I Rabbit Monoclonal antibody**Catalog #: AMRe02079**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Concentration	0.12mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purified

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
Molecular Weight	Calculated MW: 102 kDa; Observed MW: 102 kDa

Antigen Information

Gene Name	HK1
Alternative Names	HK1; Hexokinase-1; Brain form hexokinase; Hexokinase type I; HK I
Gene ID	3098
SwissProt ID	P19367
Immunogen	A synthetic peptide of human Hexokinase 1

Background

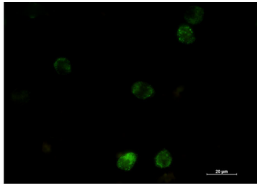
Hexokinases I, II, and III are associated with the outer mitochondrial membrane and are critical for maintaining an elevated rate of aerobic glycolysis in cancer cells (Warburg Effect) in order to compensate for the increased energy demands associated with

rapid cell growth and proliferation.

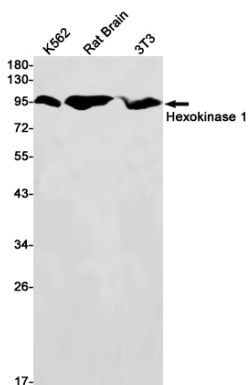
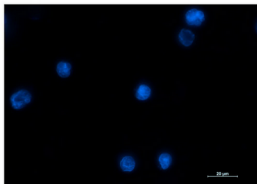
Research Area

Cardiovascular

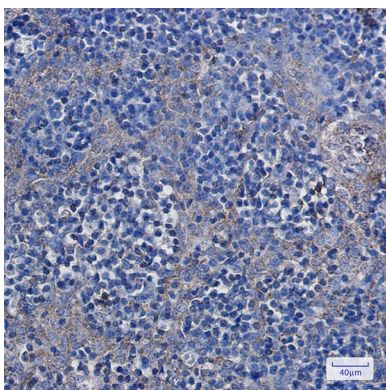
Image Data



Immunocytochemistry analysis of Hexokinase I (green) in K562 using Hexokinase I antibody, and DAPI (blue).



Western blot analysis of Hexokinase I in K562, rat Brain, 3T3 lysates using Hexokinase I antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Hexokinase I antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.