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

Summary

Production Name	Hexokinase I Rabbit Monoclonal antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	HK1
Alternative Names	HK1; Hexokinase-1; Brain form hexokinase; Hexokinase type I; HK I
Gene ID	3098
SwissProt ID	P19367.

Application

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

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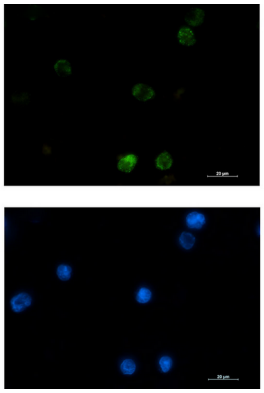
Background

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.

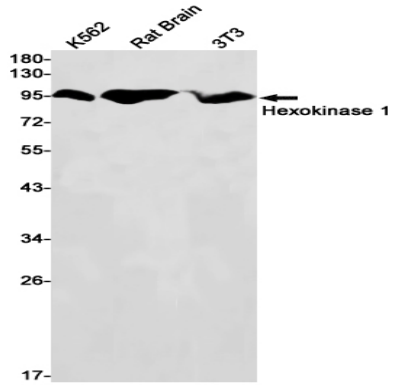
Research Area

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.

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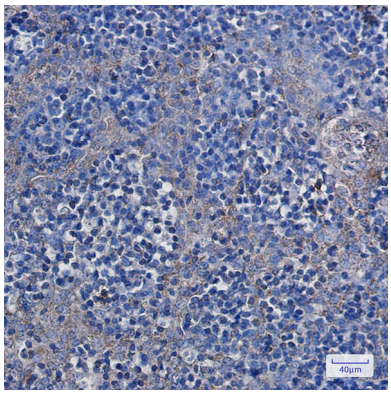

Immunohistochemistry analysis of paraffin-embedded Human tonsil using Hexokinase I antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.