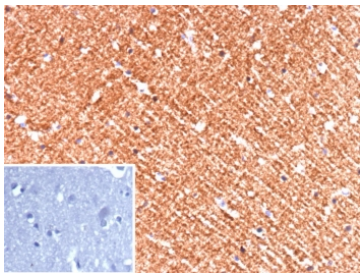
Hexokinase 1 Antibody / HK1 [clone HK1/9510] (V5732)

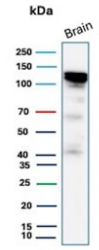
Catalog No.	Formulation	Size
V5732-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5732-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5732SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

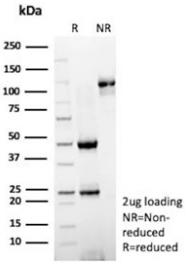
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	HK1/9510
Purity	Protein G affinity
UniProt	P19367
Applications	Western blot: 2-4ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Hexokinase 1 antibody is available for research use only.



IHC staining of FFPE human brain tissue with Hexokinase 1 antibody (clone HK1/9510). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Western blot testing of human brain tissue lysate with Hexokinase 1 antibody (clone HK1/9510). Predicted molecular weight ~120 kDa.



SDS-PAGE analysis of purified, BSA-free Hexokinase 1 antibody (clone HK1/9510) as confirmation of integrity and purity.

Description

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene 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 this gene results in several transcript variants which encode different isoforms, some of which are tissue-specific.

For additional information on hexokinase-1 biology and complementary antibody validation, visit our HK1 Antibody 4B7 / Glycolysis Enzyme Antibody page.

Application Notes

Optimal dilution of the Hexokinase 1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-200 from human HK1 protein was used as the immunogen for the Hexokinase 1 antibody.

Storage

Aliquot the Hexokinase 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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