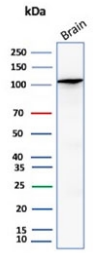
HK1 Antibody / Hexokinase 1 [clone HK1/9509] (V5731)

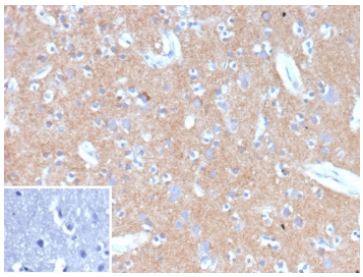
Catalog No.	Formulation	Size
V5731-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5731-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5731SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

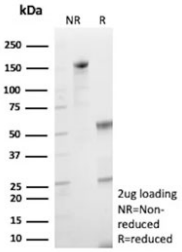
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	HK1/9509
Purity	Protein G affinity
UniProt	P19367
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This HK1 antibody is available for research use only.



Western blot testing of human brain tissue lysate with HK1 antibody (clone HK1/9509). Predicted molecular weight ~120 kDa.



IHC staining of FFPE human brain tissue with HK1 antibody (clone HK1/9509). 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.



SDS-PAGE analysis of purified, BSA-free HK1 antibody (clone HK1/9509) 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 HK1 antibody should be determined by the researcher.

Immunogen

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

Storage

Aliquot the HK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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