Recombinant DGRmAb®

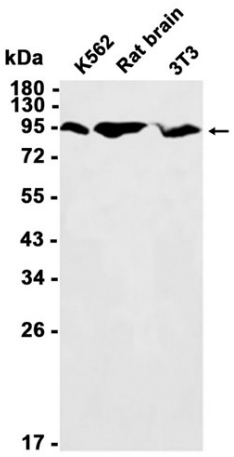
Hexokinase 1 (DGR16439) Rabbit mAb (PBS Only)

db11509-PBS **Package : 10μg 100μg**

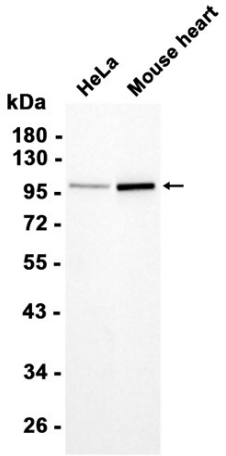
Product Name : Hexokinase 1 (DGR16439) Rabbit mAb (PBS Only)
Cat.No.: db11509-PBS
Synonyms : HK; HKD; HKI; HXK1; RP79; HMSNR; HK1-ta; HK1-tb; HK1-tc; hexokinase
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	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. [provided by RefSeq, Apr 2016]
Immunogen	A synthetic peptide of human Hexokinase 1
Gene ID	3098
Swiss Prot	P19367
Synonyms	HK; HKD; HKI; HXK1; RP79; HMSNR; HK1-ta; HK1-tb; HK1-tc; hexokinase
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC
Calculated MW	103 kDa
Observed MW	103 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16439
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

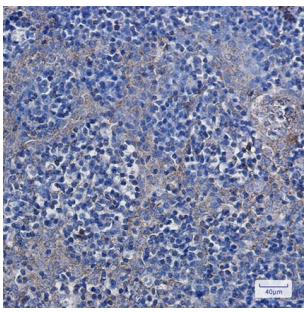
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



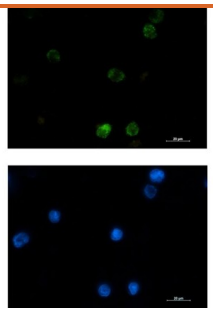
Western blot analysis of extracts from K562, 3T3 cells, and Rat brain tissue using db11509 at 1:1000.



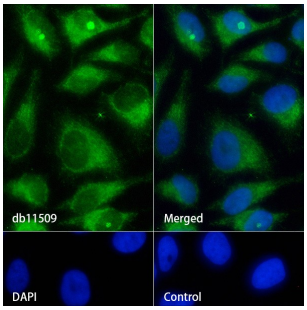
Western blot analysis of extracts from HeLa cells and Mouse heart tissue using db11509 at 1:2000.



Immunohistochemical analysis of paraffin-embedded human tonsil using db11509 antibody.



Immunofluorescent analysis of K562 cells using db11509 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling Hexokinase 1 with db11509.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11509 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.