

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**

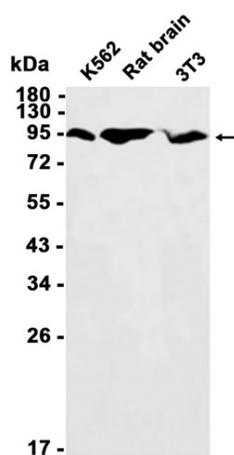
1 mg/mL

**Formulation**

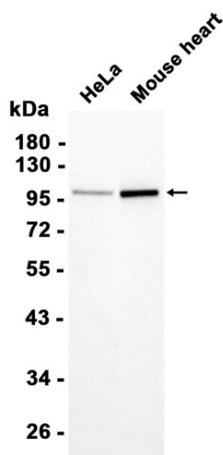
PBS Only

**Storage Stability**

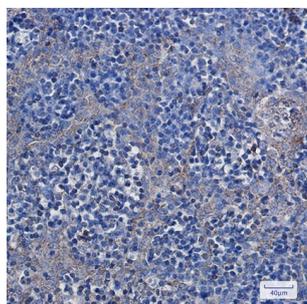
Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



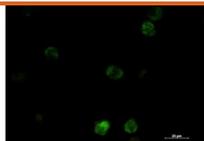
Western blot analysis of extracts from K562, 3T3 cells and Rat brain tissue using [db11509](#) at 1:1000.



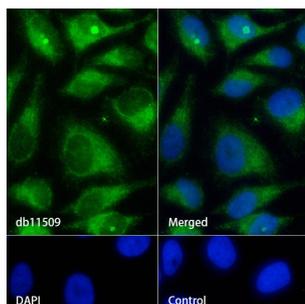
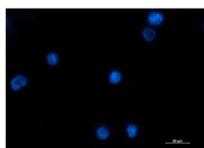
Western blot analysis of extracts from HeLa cells and Mouse heart tissue using [db11509](#) at 1:2000.



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.