

Hexokinase II Rabbit mAb
Catalog # AP75536**Specification****Hexokinase II Rabbit mAb - Product Information**

Application	WB, IHC, IP
Primary Accession	P52789
Reactivity	Human, Rat, Hamster
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	102380

Hexokinase II Rabbit mAb - Additional Information

Gene ID 3099

Other Names

HK2

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

IP~~1/20

Format

Liquid

Hexokinase II Rabbit mAb - Protein InformationName HK2 ([HGNC:4923](#))**Function**

Catalyzes the phosphorylation of hexose, such as D-glucose and D-fructose, to hexose 6-phosphate (D-glucose 6-phosphate and D-fructose 6-phosphate, respectively) (PubMed:[23185017](http://www.uniprot.org/citations/23185017), PubMed:[26985301](http://www.uniprot.org/citations/26985301), PubMed:[29298880](http://www.uniprot.org/citations/29298880)). Mediates the initial step of glycolysis by catalyzing phosphorylation of D-glucose to D-glucose 6-phosphate (PubMed:[29298880](http://www.uniprot.org/citations/29298880)). Plays a key role in maintaining the integrity of the outer mitochondrial membrane by preventing the release of apoptogenic molecules from the intermembrane space and subsequent apoptosis (PubMed:[18350175](http://www.uniprot.org/citations/18350175)).

Cellular Location

Mitochondrion outer membrane; Peripheral membrane protein. Cytoplasm, cytosol Note=The mitochondrial-binding peptide (MBP) region promotes association with the mitochondrial outer membrane (PubMed:29298880) The interaction with the mitochondrial outer membrane via the mitochondrial-binding peptide (MBP) region promotes higher stability of the protein

(PubMed:29298880). Release from the mitochondrial outer membrane into the cytosol induces permeability transition pore (PTP) opening and apoptosis (PubMed:18350175).

Tissue Location

Predominant hexokinase isozyme expressed in insulin-responsive tissues such as skeletal muscle

Hexokinase II Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Hexokinase II Rabbit mAb - Images



