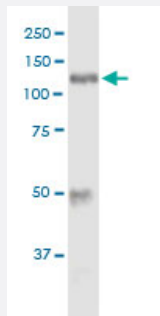


# HK1 (Human) IP-WB Antibody Pair

Catalog # H00003098-PW2

Size 1 Set

## Applications



Immunoprecipitation of HK1 transfected lysate using mouse purified polyclonal anti-HK1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit purified polyclonal anti-HK1.

## Specification

<b>Product Description</b>	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of HK1 transfected lysate using mouse purified polyclonal anti-HK1 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with rabbit purified polyclonal anti-HK1.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: mouse purified polyclonal anti-HK1 (300 ug) 2. Antibody pair for WB: rabbit purified polyclonal anti-HK1 (50 ug)
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — HK1

Entrez GeneID [3098](#)

Gene Name HK1

Gene Alias HK1-ta, HK1-tb, HK1-tc, HKI, HXK1

Gene Description hexokinase 1

Omim ID [142600](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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 five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein. [provided by RefSeq]

**Other Designations** OTTHUMP00000019725|brain form hexokinase|glycolytic enzyme

## Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Fructose and mannose metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)

- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)
- [Streptomycin biosynthesis](#)
- [Type II diabetes mellitus](#)

## Disease

- [Alzheimer Disease](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Diabetes Mellitus](#)
- [Diseases in Twins](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)