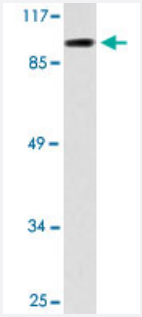
HK3 polyclonal antibody

Catalog # PAB24954 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate with insulin 0.01 U treated. Using HK3 polyclonal antibody (Cat # PAB24954).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HK3.
Immunogen	A synthetic peptide corresponding to HK3.
Host	Rabbit
Theoretical MW (kDa)	99
Reactivity	Human
Specificity	HK3 polyclonal antibody detects endogenous levels of HK3 protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — HK3

Entrez GeneID	3101
Gene Name	HK3
Gene Alias	HKIII, HXK3
Gene Description	hexokinase 3 (white cell)
Omim ID	142570
Gene Ontology	Hyperlink
Gene Summary	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most gluco se metabolism pathways. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate. [provided by RefSeq
Other Designations	ATP:D-hexose 6-phosphotransferase|hexokinase 3

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