

Product datasheet for **AP20526PU-N**

Hexokinase Type III (HK3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500 - 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of HXK III protein. (region surrounding Val848)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~99 kDa
Gene Name:	hexokinase 3
Database Link:	Entrez Gene 3101 Human P52790
Background:	Hexokinases phosphorylate glucose to produce glucose 6 phosphate, thus committing glucose to the glycolytic pathway. In vertebrates there are four major glucose phosphorylating isoenzymes, designated hexokinase I, II, III and IV (glucokinase). Similar to hexokinases I and II, the allosteric enzyme hexokinase III is inhibited by its product glucose 6 phosphate. The catalytic activity of hexokinase III is associated with the C terminus while regulatory function is associated with the N terminus.



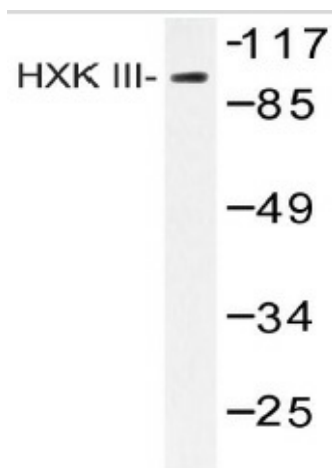
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Synonyms: HK3, Hexokinase type III, HKIII

Protein Families: Druggable Genome

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Starch and sucrose metabolism, Type II diabetes mellitus

Product images:



Western blot (WB) analysis of HXK III antibody (Cat.-No.: AP20526PU-N) in extracts from Jurkat insulin 0.01U cells.