

## Anti-Hexokinase 1/HK1 Antibody Picoband® (monoclonal, 2I4) Biotin Conjugated

Catalog Number: M01504-1-Biotin

### About HK1

Hexokinase-1 (HK1) is an enzyme that in humans is encoded by the HK1 gene on chromosome 10. It is mapped to 10q22.1. 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.

### Overview

Product Name	Anti-Hexokinase 1/HK1 Antibody Picoband® (monoclonal, 2I4) Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Monoclonal 2I4
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	P19367

### Technical Details

Immunogen	E.coli-derived human Hexokinase 1/HK1 recombinant protein (Position: D17-R323).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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