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Anti-HEXOKINASE (RABBIT) Antibody Peroxidase Conjugated

Hexokinase Antibody Peroxidase Conjugated
Catalog # ASR4669

Specification

Anti-HEXOKINASE (RABBIT) Antibody Peroxidase Conjugated - Product Information

Host	**Rabbit**
Conjugate	**Peroxidase (Horseradish)**
Target Species	**Yeast**
Clonality	**Polyclonal**
Application	**WB, E, I, LCI**
Application Note	**Anti-HEXOKINASE Peroxidase Conjugated Antibody has been tested by ELISA and western blot and can be used in applications such as Immunohistochemistry (IHC), and Immunofluorescence (IF). Specific conditions should be optimized by researcher.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Hexokinase [Yeast]**
Reconstitution Volume	**100 µL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Preservative	**0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!**

Anti-HEXOKINASE (RABBIT) Antibody Peroxidase Conjugated - Additional Information

Gene ID 850614

Other Names
852639

Purity
Anti-HEXOKINASE (RABBIT) Antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-Rabbit Serum as well as purified and partially purified Hexokinase [Yeast]. Cross reactivity against Hexokinase from other tissues and species is expected based on sequence homology.

Storage Condition
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-HEXOKINASE (RABBIT) Antibody Peroxidase Conjugated - Protein Information

Name HXK1

Synonyms HKA

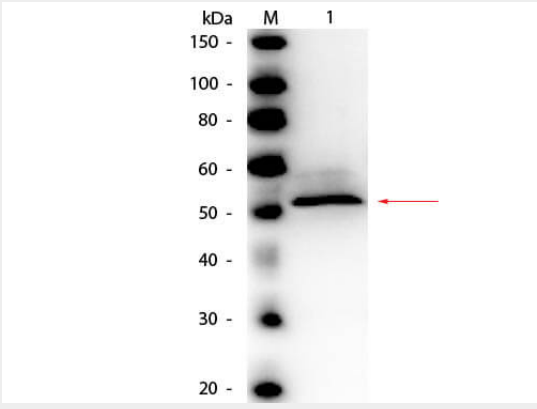
Function
Catalyzes the phosphorylation of hexose, such as D-glucose and D-fructose, to hexose 6-phosphate (D-glucose 6-phosphate and D- fructose 6-phosphate, respectively) (PubMed:332086). Mediates the initial step of glycolysis by catalyzing phosphorylation of D-glucose to D-glucose 6-phosphate (PubMed:332086).

Anti-HEXOKINASE (RABBIT) Antibody Peroxidase Conjugated - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HEXOKINASE (RABBIT) Antibody Peroxidase Conjugated - Images



Western Blot of Rabbit anti-Hexokinase Antibody Peroxidase Conjugated. Lane 1: Hexokinase. Load: 50 ng per lane. Primary antibody: Rabbit anti-Hexokinase Antibody Peroxidase Conjugated at 1:1,000 overnight at 4°C. Secondary antibody: n/a Block: MB-070 for 30 min at RT. Predicted/Observed size: 54 kDa, 54 kDa for Hexokinase.

Anti-HEXOKINASE (RABBIT) Antibody Peroxidase Conjugated - Background

HEXOKINASE Antibody is specific for hexokinase. Hexokinase is an enzyme that phosphorylates

hexoses (six-carbon sugars), forming hexose phosphate. In most organisms, glucose is the most important substrate of hexokinases, and glucose-6-phosphate the most important product. Hexokinases should not be confused with glucokinase, which is a specific isoform of hexokinase. While other hexokinases are capable of phosphorylating several hexoses, glucokinase acts with a 50-fold lower substrate affinity and its only hexose substrate is glucose. Anti Hexokinase is ideal for investigators involved in glucose energy metabolism, enzymes and AKT signaling research.