

DATASHEET

Hexokinase 1 Mouse Monoclonal Antibody(C3461)

CAT. NO. AMA03073

KEY FEATURES

Target	Hexokinase 1	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.	Storage	at-20°C

BACKGROUND

Catalyzes the phosphorylation of various hexoses, such as D-glucose, D-glucosamine, D-fructose, D-mannose and 2-deoxy-D-glucose, to hexose 6-phosphate (D-glucose 6-phosphate, D-glucosamine 6-phosphate, D-fructose 6-phosphate, D-mannose 6-phosphate and 2-deoxy-D-glucose 6-phosphate, respectively) . Does not phosphorylate N-acetyl-D-glucosamine . Mediates the initial step of glycolysis by catalyzing phosphorylation of D-glucose to D-glucose 6-phosphate . Involved in innate immunity and inflammation by acting as a pattern recognition receptor for bacterial peptidoglycan .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

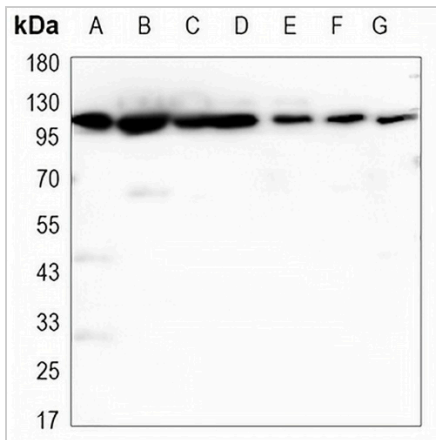
Description	Mouse monoclonal antibody to Hexokinase 1
Specificity	Recognizes endogenous levels of Hexokinase 1 protein.
Antibody Type	Primary antibody
Immunogen	Purified recombinant human Hexokinase 1 protein fragments expressed in E.coli
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 102 kD; Observed: 102 kD
Form/Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Alternative Names	Hexokinase-1; Brain form hexokinase; Hexokinase type I; HK I
Gene Symbol	HK1
Entrez Gene	3098(Human); 15275(Mouse); 25058(Rat)
SwissProt	P19367(Human); P17710(Mouse); P05708(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Hexokinase 1 expression in MCF7 (A), Jurkat (B), CHOK1 (C), C2C12 (D), C6 (E), NIH3T3 (F), HeLa (G) whole cell lysates. (Predicted band size: 102 kD; Observed band size: 102 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.