Hexokinase 3 monoclonal antibody (AT4C12)

Hexokinase is the first enzyme in the glycolytic pathway, catalyzing the transfer of a phosphoryl group from ATP to glucose to form glucose-6-phosphate and ADP. In mammals, four distinct enzymes - types 1 to 4 hexokinases - have been identified. The enzyme is found in most cells, but there is tissue specificity for the particular type of hexokinase. Hexokinase 3 lacks the hydrophobic N-terminal sequence critical for targeting to mitochondria. Hexpkinase 3 may have anabolic functions, providing H6P for glycogen or lipid synthesis.

This antibody is covered by our Worry-Free Guarantee.

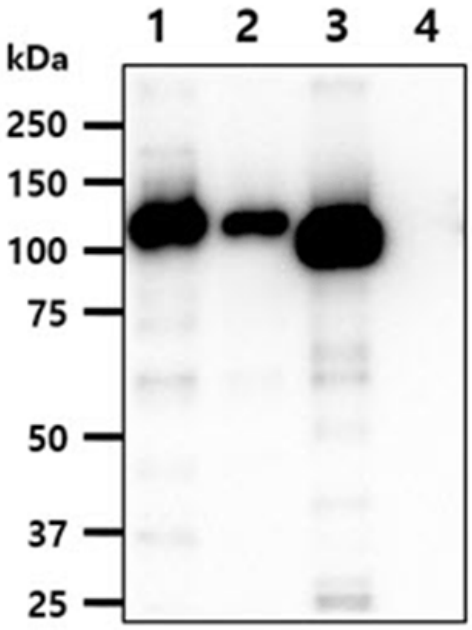
Ordering Information

Order Online »

ENZ-ABS757-0100	100µl

Manuals, SDS & CofA

View Online »



The recombianat protein (20ng) of Hexokinase four isoform were resolved by SDS-PAGE, transferred to PVDF membrane and probed with Hexokinase 3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1: Recombinant human Hexokinase 1, Lane 2: Recombinant human Hexokinase 2, Lane 3: Recombinant human Hexokinase 3, Lane 4: Recombinant human Hexokinase 4.

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	HK3, Hexokinase type III, Hexokinase-C
Application	ELISA, WB
Clone	AT4C12
Formulation	Liquid. In PBS, pH 7.4, containing 0.02% sodium azide and 10% glycerol.
Host	Mouse
Immunogen	Recombinant human Hexokinase 3 (aa 1-923) purified from E. coli.
Isotype	IgG1κ
Purity Detail	Protein A affinity purified
Recommendation Dilutions/Conditions	Western Blot (1:2,000).Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human
UniProt ID	P52790
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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