BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-FOXK1/MNF Picoband® Antibody Biotin Conjugated

Catalog Number: A07015-2-Biotin

About FOXK1

Forkhead box protein K1 is a transcription factor of the forkhead box family that in humans is encoded by the FOXK1 gene. It is mapped to 7p22.1. FOXK1 is one of the transcription factors managing the passage from the normal cellular respiration (complete glucose oxidation) to generating ATP and intermediaries for many other biochemical pathways. FOXK1 and its closely relate sibling FOXK2 induce aerobic glycolysis by upregulating the enzymatic machinery required for this (for example, hexokinase-2, phosphofructokinase, pyruvate kinase, and lactate dehydrogenase), while at the same time suppressing further oxidation of pyruvate in the mitochondria by increasing the activity of pyruvate dehydrogenase kinases 1 and 4.

Overview

Product Name	Anti-FOXK1/MNF Picoband® Antibody Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P85037

Technical Details

Immunogen	E.coli-derived human FOXK1/MNF recombinant protein (Position: Q175-E671).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users. ELISA, Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.