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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GAPDH Antibody Picoband® Biotin Conjugated

Catalog Number: A00227-Biotin

About GAPDH

Glyceraldehyde 3-phosphate dehydrogenase (abbreviated as GAPDH or less commonly as G3PDH) is an enzyme of ~37kDa that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. This gene encodes a member of the glyceraldehyde-3-phosphate dehydrogenase protein family. GAPDH is mapped to 12p13.31. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The encoded protein has additionally been identified to have uracil DNA glycosylase activity in the nucleus.

Overview

Product Name	Anti-GAPDH Antibody Picoband® Biotin Conjugated
Reactive Species	Human
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	P04406

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human GAPDH, different from the related mouse and rat sequences by three amino acids.
Predicted Reactive Species	Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin

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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.

173 Publications Citing This Product

1. PubMed ID: 10.3892/ijo.2018.4651, CD38 affects the biological behavior and energy metabolism of nasopharyngeal carcinoma cells

2. PubMed ID: 10.2174/156800910791859506, ZD6474, a Small Molecule Tyrosine Kinase Inhibitor, Potentiates the Anti-Tumor and Anti-Metastasis Effects of Radiation for Human Nasopharyngeal Carcinoma

3. PubMed ID: 10.3892/ijmm.2017.3321, Evodiamine promotes differentiation and inhibits proliferation of C2C12 muscle cells

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