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Datasheet for ABIN7149438
anti-PHGDH antibody (AA 2-251)

4 Images

Overview

Quantity:	100 µg
Target:	PHGDH
Binding Specificity:	AA 2-251
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHGDH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human D-3-phosphoglycerate dehydrogenase protein (2-251AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PHGDH
Alternative Name:	PHGDH (PHGDH Products)
Background:	Background: Catalyzes the reversible oxidation of 3-phospho-D-glycerate to 3-phosphonoxypruvate, the first step of the phosphorylated L-serine biosynthesis pathway.

Target Details

Also catalyzes the reversible oxidation of 2-hydroxyglutarate to 2-oxoglutarate and the reversible oxidation of (S)-malate to oxaloacetate.

Aliases: 3 PGDH antibody, 3-PGDH antibody, 3-phosphoglycerate dehydrogenase antibody, 3PGDH antibody, D-3-phosphoglycerate dehydrogenase antibody, EC 1.1.1.95 antibody, Epididymis secretory protein Li 113 antibody, HEL S 113 antibody, NLS antibody, NLS1 antibody, PDG antibody, PGAD antibody, PGD antibody, PGDH antibody, PGDH3 antibody, Phgdh antibody, PHGDHD antibody, Phosphoglycerate dehydrogenase antibody, SERA antibody, SERA_HUMAN antibody

UniProt: [O43175](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D, Warburg Effect](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

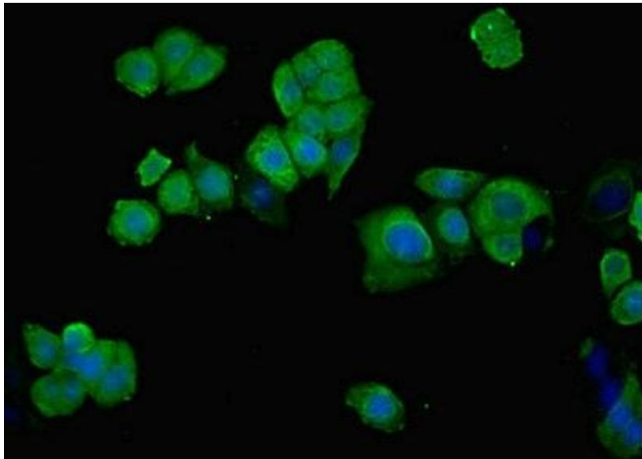
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

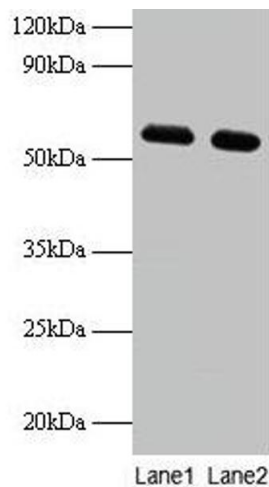
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



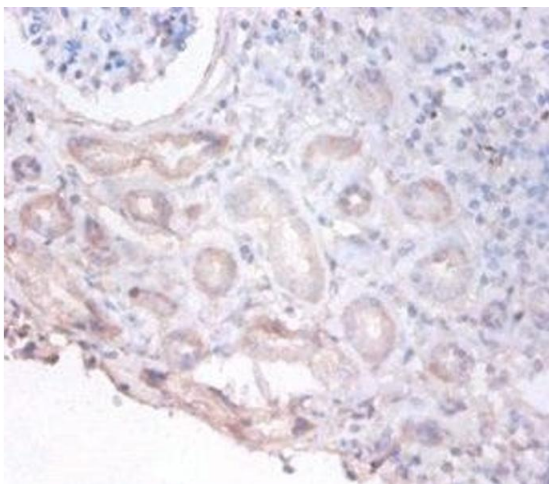
Immunofluorescence

Image 1. Immunofluorescent analysis of PC-3 cells using ABIN7149438 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western blot All lanes: PHGDH antibody at 2 μ g/mL Lane 1: EC109 whole cell lysate Lane 2: 293T whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/15000 dilution Predicted band size: 57 kDa Observed band size: 57 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7149438 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7149438.