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Datasheet for ABIN870655

anti-PRODH antibody (AA 112-134)

1 Image

1 Publication

Overview

Quantity:	100 µg
Target:	PRODH
Binding Specificity:	AA 112-134
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PRODH antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	PRODH (aa112-134)
Immunogen:	Peptide with sequence C-EDQESIQPLLRHYR, from the internal region of the protein sequence according to NP_057419.4, NP_001182155.1.
Sequence:	EDQESIQPLL RHYR
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_057419.4, NP_001182155.1).
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: PRODH

Alternative Name: PRODH ([PRODH Products](#))

Background: PRODH, proline dehydrogenase (oxidase) 1, FLJ33744, HSPOX2, MGC148078, MGC148079, PIG6, POX, PRODH1, PRODH2, SCZD4, TP53I6, OTTHUMP00000196496, OTTHUMP00000196497, p53-induced gene 6 protein, proline dehydrogenase, mitochondrial, proline oxidase 2, prolin

Molecular Weight: 68.0kDa

Gene ID: 5625

NCBI Accession: [NP_057419](#), [NP_001182155](#)

Pathways: [Response to Water Deprivation](#), [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: Western Blot: Approx75+55 kDa bands observed in Human Brain (Cerebellum and Substantia nigra) lysates (calculated MW of 68.0 kDa according to NP_057419.4 and of 56.2 kDa according to NP_001182155.1). Recommended concentration: 0.3-1 µg/mL.
Peptide ELISA: antibody detection limit dilution 1:16000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

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

Handling Advice: Minimize freezing and thawing.

Handling

Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

Product cited in: Celińska-Janowicz, Zaręba, Lazarek, Teul, Tomczyk, Pałka, Milyk: "Constituents of Propolis: Chrysin, Caffeic Acid, p-Coumaric Acid, and Ferulic Acid Induce PRODH/POX-Dependent Apoptosis in Human Tongue Squamous Cell Carcinoma Cell (CAL-27)." in: **Frontiers in pharmacology**, Vol. 9, pp. 336, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. ABIN870655 (0.3µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.