antibodies -online.com





anti-PRODH antibody (AA 112-134)

1 Image



Publication



Go to Product page

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

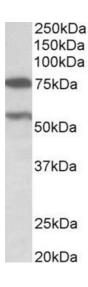
Purpose:	PRODH (aa112-134)
Immunogen:	Peptide with sequence C-EDQESIQPLLRHYR, from the internal region of the protein sequence according to NP_057419.4, NP_001182155.1.
Sequence:	EDQESIQPLL RHYR
Isotype:	IgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_057419.4, NP_001182155.1).
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 68.0kDa Molecular Weight: 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 kDakDa 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, Miltyk: "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 (0.3 μ g/ml) staining of Human Cerebellum lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.