



UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106
Ramona,
CA 92065
USA

Inquiries:

info@everestbiotech.com

Sales:

usasales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07166 - Goat Anti-PRODH Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PRODH, proline dehydrogenase (oxidase) 1, HSPOX2, PIG6, PRODH1, PRODH2, SCZD4, TP53I6, FLJ33744, MGC148078, MGC148079, Proline oxidase, mitochondrial, p53 induced protein, proline dehydrogenase (proline oxidase), proline oxidase 2, tumor protein p53 inducible protein 6

Official Symbol: PRODH

Accession Number(s): NP_057419.2

Human GeneID(s): [5625](#)

Non-Human GeneID(s): 19125 (mouse)

Immunogen

Peptide with sequence C-ERDGSMTNKRDKQYQ, from the internal region of the protein sequence according to NP_057419.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: This antibody has been successfully used in western blot on Human: Zareba et al. (2018) PMID: 29568391 and To■oczko-Iwaniuk et al. (2020) PMID: 31935820.

IHC: In paraffin embedded Cerebellum shows mitochondrial staining in smaller neurons. Paraffin embedded Human Liver and Colon. Recommended concentration: 3.75µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse

Specific References

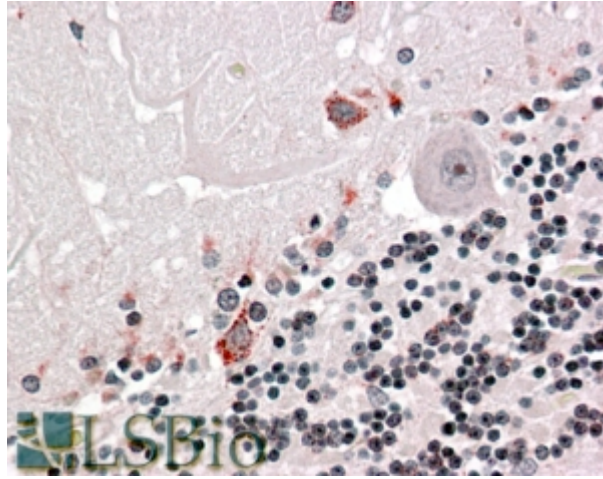
This antibody has been successfully used in Western blot on Human:

Natalia To■oczko-Iwaniuk, Dorota Dziemianczyk-Pakie■a, Katarzyna Celinska-Janowicz, Ilona Zareba, Agnieszka Klupczynska, Zenon J. Kokot, Beata Klaudia Nowaszewska, Joanna Reszec, Jan Borys and Wojciech Miltyk
Proline-Dependent Induction of Apoptosis in Oral Squamous Cell Carcinoma (OSCC)—The Effect of Celecoxib
Cancers 2020, 12(1), 136; <https://doi.org/10.3390/cancers12010136>
PMID: 31935820

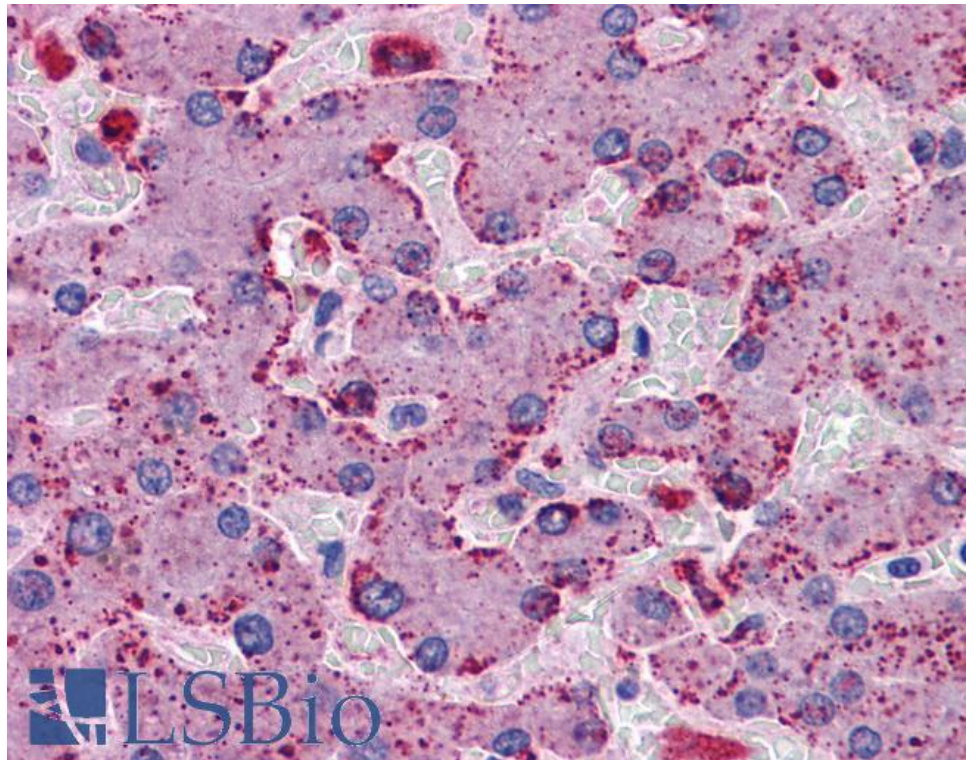
This antibody has been successfully used in Western blot on Human:

Ilona Zareba, Katarzyna Celinska-Janowicz, Arkadiusz Surazynski, Wojciech Miltyk and Jerzy Palka
Proline oxidase silencing induces proline-dependent pro survival pathways in MCF-7 cells
Oncotarget. 2018 Feb 9;9(17):13748-13757

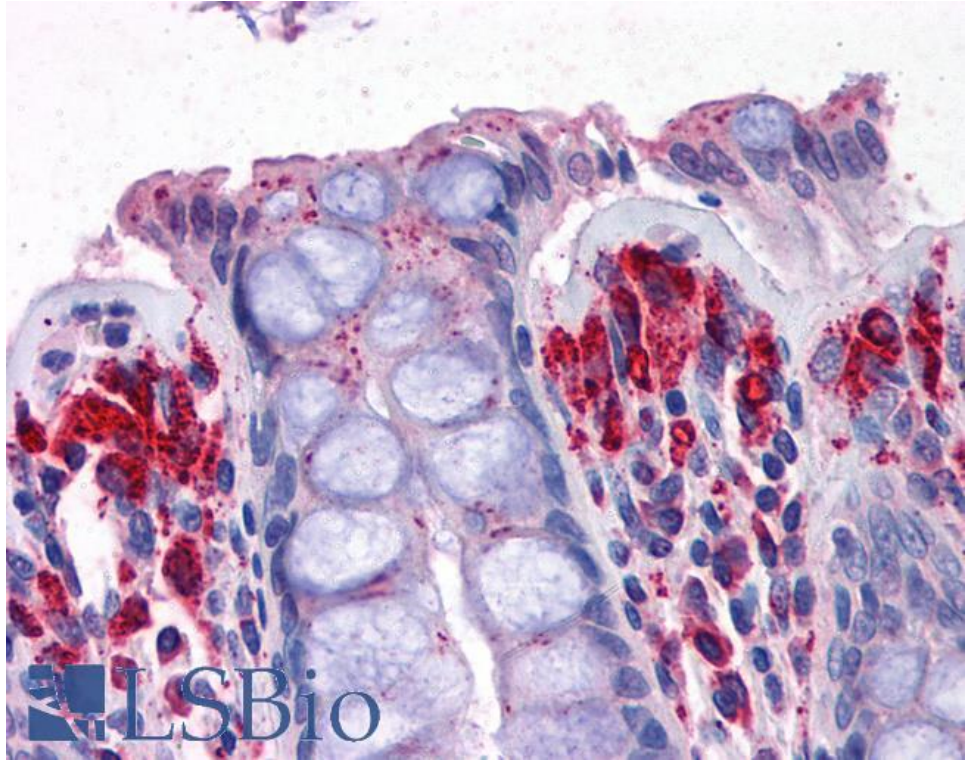
PMID: 29568391



EB07166 (3.75µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07166 (3.75µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07166 (3.75µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.