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**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-ERDGS GTNKRDKQYQ, 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 MCF-7 cells: Zareba et al, Oncotarget. 2018 Feb 9;9(17):13748-13757, PMID: 29568391.

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 Reference

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

Ilona Zareba, Katarzyna Celinska-Janowicz, Arkadiusz Surazynski, Wojciech Mityk 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.