

## UK Office

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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-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 1:4000.

**IHC:** Paraffin embedded Human Kidney. Recommended concentration: 6-7µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse

### Specific References

**This antibody (previous batch) has been successfully used in Western blot on Human:**

Ilona Oscilowska, Thi Y L Huynh, Weronika Baszanowska, Izabela Prokop, Arkadiusz Surazynski, Mauro Galli, Piotr Zabielski, Jerzy Palka

Proline oxidase silencing inhibits p53-dependent apoptosis in MCF-7 breast cancer cells  
Amino Acids. 2021 Dec;53(12):1943-1956.

PMID: 34085157

**This antibody (previous batch) has been successfully used in Western blot on Human:**

Natalia Tomaszko-Iwaniuk, Dorota Dziemianczyk-Pakieła, 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>

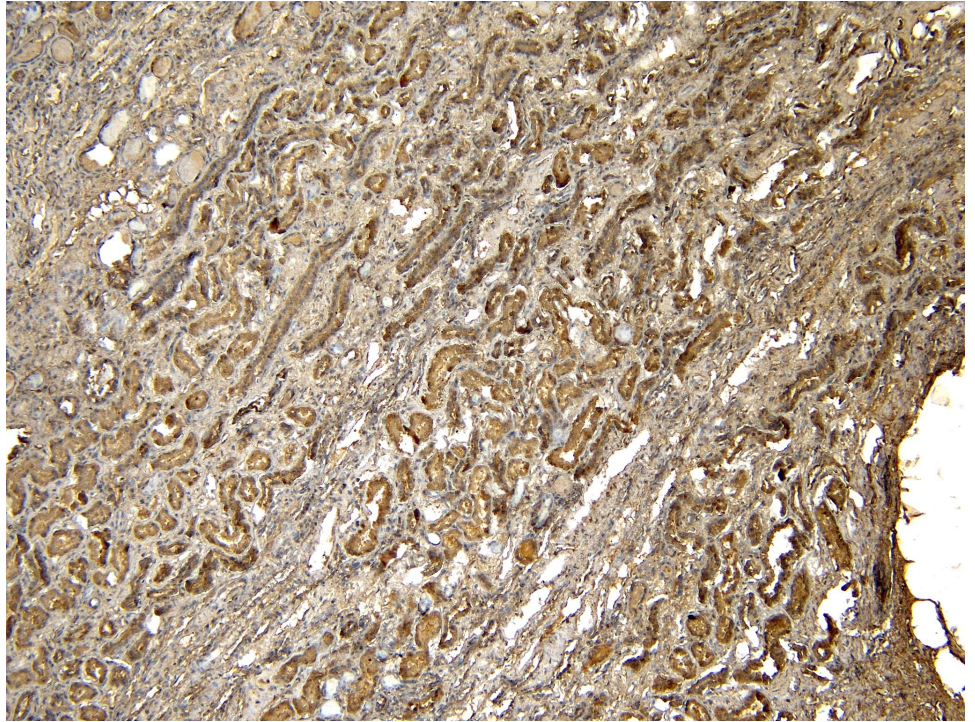
PMID: 31935820

**This antibody (previous batch) has been successfully used in Western blot on Human:**

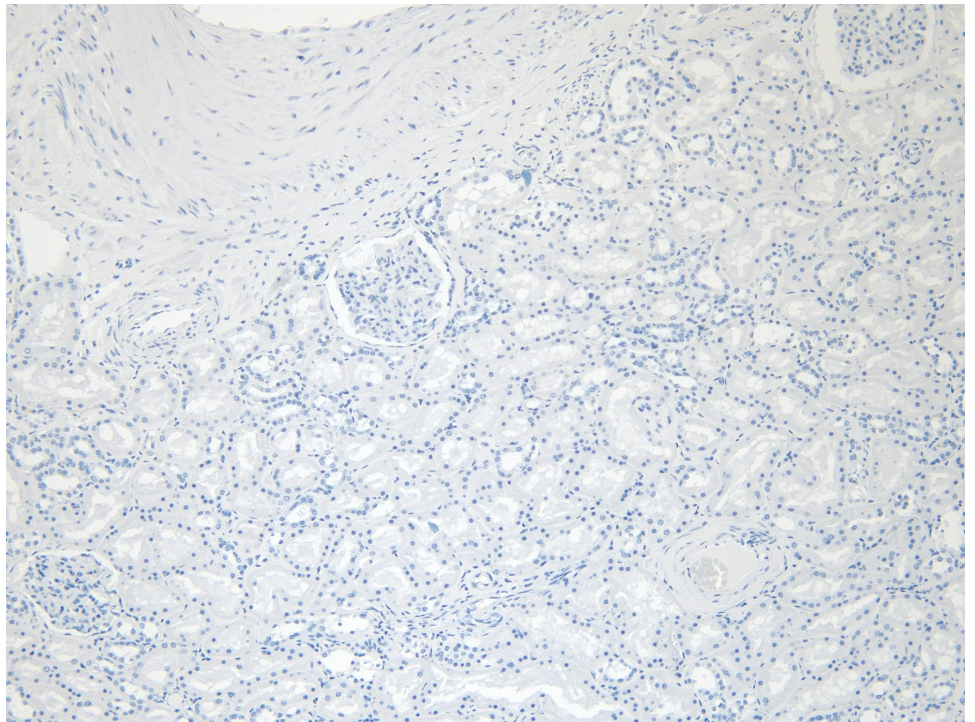
Ilona Zareba, Katarzyna Celinska-Janowicz, Arkadiusz Surazynski, Wojciech Milyk and Jerzy Palka

Proline oxidase silencing induces proline-dependent pro survival pathways in MCF-7 cells  
Oncotarget. 2018 Feb 9;9(17):13748-13757

PMID: 29568391



EB07166 (6 $\mu$ g/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07166 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.