

GOAT ANTI-PRODH (AA112-134) ANTIBODY

SKU: EB11136

250kDa

150kDa

100kDa

75kDa

50kDa

37kDa

25kDa

20kDa

SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	PRODH tumor protein p53 inducible protein 6 TP53I6 SCZD4 proline oxidase, mitochondrial proline oxidase 2 proline dehydrogenase, mitochondrial proline dehydrogenase (oxidase) 1 PRODH2 PRODH1 POX PIG6 p53-induced gene 6 protein OTTHUMP00000196497 OTTHUMP00000196496 MGC148079 MGC148078 HSPOX2 FLJ33744
Accession ID	NP_057419.4; NP_001182155.1
Blocking Peptide	EBP11136
Immunogen	Peptide with sequence C-EDQESIQPLLRHYR, from the internal region of the protein sequence according to NP_057419.4; NP_001182155.1.
Product Comments	This antibody is expected to recognize both reported isoforms (NP_057419.4; NP_001182155.1).
Peptide Sequence	C-EDQESIQPLLRHYR
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human
Reactive Species	Human
Human Gene ID	5625
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:16000.
Western Blot	Approx75+55kDa bands observed in Human Brain (Cerebellum and Substantia nigra) lysates (calculated MW of 68.0kDa according to NP_057419.4 and of 56.2kDa according to NP_001182155.1). Recommended concentration: 0.3-1µg/ml.
Application Type	Pep-ELISA, WB

SELECTED REFERENCES

[{"pmid": 34085157, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Proline oxidase silencing inhibits p53-dependent apoptosis in MCF-7 breast cancer cells.", "author": "Ilona Oscilowska, Thi Y. L. Huynh, Weronika Baszanowska, Izabela Prokop, Arkadiusz Surazynski, Mauro Galli, Piotr Zabielski & Jerzy Palka", "journal": "Amino Acids. 2021 Dec;53(12):1943-1956."}, {"pmid": 28942439, "intro": "**This antibody has been successfully used in Western blot on Human:**", "title": "Functional Consequences of Intracellular Proline Levels Manipulation Affecting PRODH/POX-Dependent Pro-Apoptotic Pathways in a Novel in Vitro Cell Culture Model.", "author": "Zareba I, Surazynski A, Chrusciel M, Milyk W, Doroszkowski M, Rahman N, Palka J.", "journal": "Cell Physiol Biochem. 2017 Sep 22;43(2):670-684."}]

DOCUMENTS

- [Data Sheet](#)

GALLERY IMAGES

