

PRODH Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2504a**Specification**

PRODH Antibody (internal region) - Product Information

Application	IHC, E
Primary Accession	O43272
Other Accession	NP_057419.2 , 5625 , 19125 (mouse)
Reactivity	Human
Predicted	Mouse
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	68029

PRODH Antibody (internal region) - Additional Information**Gene ID** 5625**Other Names**

Proline dehydrogenase 1, mitochondrial, 1.5.5.2, Proline oxidase, Proline oxidase 2, p53-induced gene 6 protein, PRODH, PIG6, POX2

Dilution

IHC~~1:100~500

E~~N/A

Format

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

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PRODH Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

PRODH Antibody (internal region) - Protein Information**Name** PRODH ([HGNC:9453](#))**Function**

Converts proline to delta-1-pyrroline-5-carboxylate.

Cellular Location

Mitochondrion matrix.

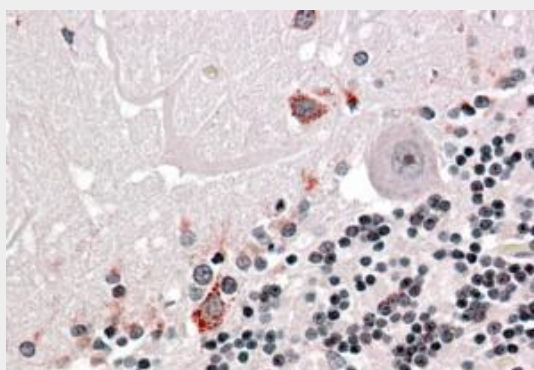
Tissue Location

Expressed in lung, skeletal muscle and brain, to a lesser extent in heart and kidney, and weakly in liver, placenta and pancreas

PRODH Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PRODH Antibody (internal region) - Images

AF2504a (3.8 µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

PRODH Antibody (internal region) - References

Transcriptional and behavioral interaction between 22q11.2 orthologs modulates schizophrenia-related phenotypes in mice. Paterlini M, Zakharenko SS, Lai WS, Qin J, Zhang H, Mukai J, Westphal KG, Olivier B, Sulzer D, Pavlidis P, Siegelbaum SA, Karayiorgou M, Gogos JA. Nat Neurosci. 2005 Nov;8(11):1586-94. Epub 2005 Oct 23. PMID: 16234811