

**PRODH (aa112-134) Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3637a****Specification**

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**PRODH (aa112-134) Antibody (internal region) - Product Information**

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Application       | WB, E                                                                               |
| Primary Accession | <a href="#">O43272</a>                                                              |
| Other Accession   | <a href="#">NP_057419.4</a> , <a href="#">NP_001182155.1</a> , <a href="#">5625</a> |
| Reactivity        | Human                                                                               |
| Host              | Goat                                                                                |
| Clonality         | Polyclonal                                                                          |
| Concentration     | 0.5 mg/ml                                                                           |
| Isotype           | IgG                                                                                 |
| Calculated MW     | 68029                                                                               |

**PRODH (aa112-134) 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**

WB~~1:1000

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 (aa112-134) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**PRODH (aa112-134) 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 (aa112-134) 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 (aa112-134) Antibody (internal region) - Images**



AF3637a (0.3 µg/ml) staining of Human Cerebellum lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **PRODH (aa112-134) Antibody (internal region) - Background**

This antibody is expected to recognize both reported isoforms (NP\_057419.4; NP\_001182155.1).

#### **PRODH (aa112-134) Antibody (internal region) - References**

PRODH gene is associated with executive function in schizophrenic families. Li T, Ma X, Hu X, Wang Y, Yan C, Meng H, Liu X, Touloupoulou T, Murray RM, Collier DA. Am J Med Genet B Neuropsychiatr Genet. 2008 Jul 5;147B(5):654-7. PMID: 18163391