

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

Specification

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

Application	WB
Primary Accession	O43272
Other Accession	NP_057419.4 , NP_001182155.1 , 5625
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	68002

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

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