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PRODH Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21994b

Product Information

Application	WB, E
Primary Accession	O43272
Other Accession	F6PYI8
Reactivity	Human, Mouse
Predicted	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54647
Calculated MW	68029

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
Target/Specificity	This PRODH antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 429-461 amino acids from human PRODH.
Dilution	WB~~1:4000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PRODH Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

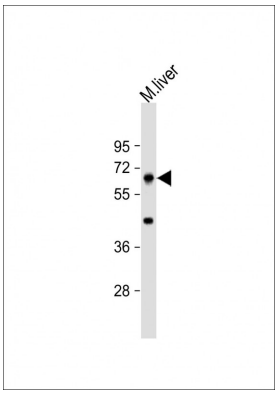
Background

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

References

Campbell H.D.,et al.Hum. Genet. 101:69-74(1997).
Gogos J.A.,et al.Nat. Genet. 21:434-439(1999).
Bender H.-U.,et al.Am. J. Hum. Genet. 76:409-420(2005).
Dunham I.,et al.Nature 402:489-495(1999).
Totoki Y.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.

Images



Anti-PRODH Antibody (C-Term) at 1:4000 dilution + mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 68 kDa Blocking/Dilution buffer: 5% NFDM/TBST.