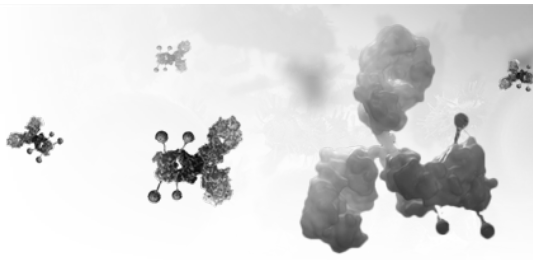

Anti-PRODH (aa 441-540) polyclonal antibody (DPAB-DC2506)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a mitochondrial protein that catalyzes the first step in proline degradation. Mutations in this gene are associated with hyperprolinemia type 1 and susceptibility to schizophrenia 4 (SCZD4). This gene is located on chromosome 22q11.21, a region which has also been associated with the contiguous gene deletion syndromes, DiGeorge and CATCH22. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Immunogen	PRODH (NP_057419, 441 a.a. ~ 540 a.a) partial recombinant protein with GST tag. The sequence is LVRGAYLAQERARAAEIGYEDPINPTYEATNAMYHRCLDYVLEELKHNAKAKVMVASHNE DTVRFALRRMEELGLHPADHRVYFGQLLGMCDQISFPLGQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	PRODH proline dehydrogenase (oxidase) 1 [Homo sapiens (human)]
Official Symbol	PRODH
Synonyms	PRODH; proline dehydrogenase (oxidase) 1; POX; PIG6; HSPOX2; PRODH1; PRODH2; TP53I6; proline dehydrogenase 1, mitochondrial; proline oxidase 2; p53-induced gene 6 protein; proline oxidase, mitochondrial; tumor protein p53 inducible protein 6;
Entrez Gene ID	5625
Protein Refseq	NP_001182155
UniProt ID	O43272
Chromosome Location	22q11.21
Pathway	Arginine and proline metabolism; Metabolism; Proline catabolism; proline degradation
Function	FAD binding; amino acid binding; proline dehydrogenase activity;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221