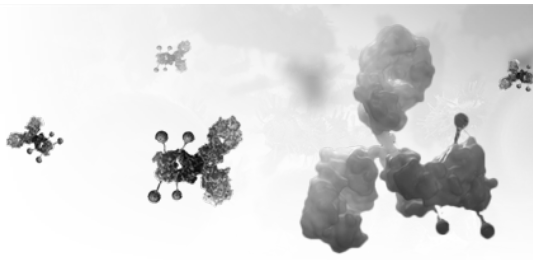

Human PRODH blocking peptide (CDBP2392)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PRODH antibody
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. [provided by RefSeq, Aug 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PRODH proline dehydrogenase (oxidase) 1 [Homo sapiens]
Official Symbol	PRODH
Synonyms	PRODH; proline dehydrogenase (oxidase) 1; proline dehydrogenase (proline oxidase); proline dehydrogenase 1, mitochondrial; HSPOX2; PIG6; PRODH1; PRODH2; TP53I6; proline oxidase

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	2; p53-induced gene 6 protein; proline oxidase, mitochondrial; tumor protein p53 inducible protein 6; POX; FLJ33744; MGC148078; MGC148079;
Entrez Gene ID	5625
mRNA Refseq	NM_001195226
Protein Refseq	NP_001182155
UniProt ID	O43272
Chromosome Location	22q11.2
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Proline catabolism, organism-specific biosystem; citrulline biosynthesis, conserved biosystem;
Function	FAD binding; oxidoreductase activity; proline dehydrogenase activity;

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