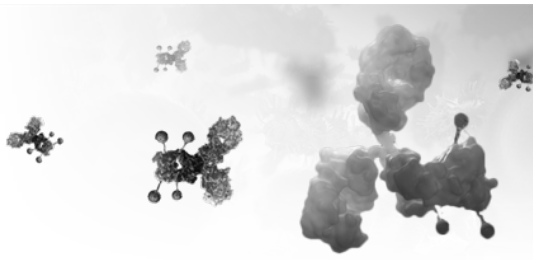

Human SDHB blocking peptide (CDBP2627)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-SDHB antibody
Antigen Description	Complex II of the respiratory chain, which is specifically involved in the oxidation of succinate, carries electrons from FADH to CoQ. The complex is composed of four nuclear-encoded subunits and is localized in the mitochondrial inner membrane. The iron-sulfur subunit is highly conserved and contains three cysteine-rich clusters which may comprise the iron-sulfur centers of the enzyme. Sporadic and familial mutations in this gene result in paragangliomas and pheochromocytoma, and support a link between mitochondrial dysfunction and tumorigenesis. [provided by RefSeq, Jul 2008]
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	SDHB succinate dehydrogenase complex, subunit B, iron sulfur (Ip) [Homo sapiens]
Official Symbol	SDHB
Synonyms	SDHB; succinate dehydrogenase complex, subunit B, iron sulfur (Ip); SDH, SDH1; succinate

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

	dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial; iron-sulfur subunit of complex II; IP; SDH; PGL4; SDH1; SDH2; SDHIP; FLJ92337;
Entrez Gene ID	6390
mRNA Refseq	NM_003000
Protein Refseq	NP_002991
UniProt ID	P21912
Chromosome Location	1p36.1-p35
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate => oxaloacetate, organism-specific biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate =>
Function	2 iron, 2 sulfur cluster binding; 3 iron, 4 sulfur cluster binding; 4 iron, 4 sulfur cluster binding; electron carrier activity; metal ion binding; oxidoreductase activity; protein binding; succinate dehydrogenase (ubiquinone) activity; ubiquinone binding

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