



SDHD blocking peptide (CDBP6079)

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

PRODUCT INFORMATION

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| Antigen Description | This gene encodes a member of complex II of the respiratory chain, which is responsible for the oxidation of succinate. The encoded protein is one of two integral membrane proteins anchoring the complex to the matrix side of the mitochondrial inner membrane. Mutations in this gene are associated with the formation of tumors, including hereditary paraganglioma. Transmission of disease occurs almost exclusively through the paternal allele, suggesting that this locus may be maternally imprinted. There are pseudogenes for this gene on chromosomes 1, 2, 3, 7, and 18. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013] |
| Conjugate | Unconjugated |
| Applications | Used as a blocking peptide in immunoblotting applications. |
| Format | Liquid |
| Concentration | 200 µg/mL |
| Size | 0.05 mg |
| Preservative | None |
| Storage | -20°C |

GENE INFORMATION

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|------------------------|---|
| Gene Name | SDHD succinate dehydrogenase complex, subunit D, integral membrane protein [Homo sapiens (human)] |
| Official Symbol | SDHD |
| Synonyms | SDHD; succinate dehydrogenase complex, subunit D, integral membrane protein; PGL; CBT1; |

CWS3; PGL1; QPs3; SDH4; cybS; CII-4; succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial; succinate-ubiquinone reductase membrane anchor subunit; succinate-ubiquinone oxidoreductase cytochrome b small subunit

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| Entrez Gene ID | 6392 |
| mRNA Refseq | NM_001276503 |
| Protein Refseq | NP_001263432 |
| UniProt ID | O14521 |
| Pathway | Alzheimer's disease; Carbon metabolism; Citrate cycle (TCA cycle); Citrate cycle (TCA cycle; Citrate cycle; Citric acid cycle (TCA cycle); Electron Transport Chain; Huntington's disease |
| Function | electron carrier activity; heme binding; metal ion binding; succinate dehydrogenase activity; ubiquinone binding |