

SDHD Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12155a**Specification**

SDHD Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [O14521](#)**SDHD Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 6392**Other Names**

Succinate dehydrogenase [ubiquinone] cytochrome b small subunit, mitochondrial, CybS, CII-4, QPs3, Succinate dehydrogenase complex subunit D, Succinate-ubiquinone oxidoreductase cytochrome b small subunit, Succinate-ubiquinone reductase membrane anchor subunit, SDHD, SDH4

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SDHD Antibody (N-term) Blocking peptide - Protein Information**Name** SDHD**Synonyms** SDH4**Function**

Membrane-anchoring subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q).

Cellular Location

Mitochondrion inner membrane; Multi-pass membrane protein

SDHD Antibody (N-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SDHD Antibody (N-term) Blocking peptide - Images

SDHD Antibody (N-term) Blocking peptide - Background

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 subunit D protein is one of two integral membrane proteins anchoring the complex to the matrix side of the membrane. Mutations in SDHD have been linked to hereditary paraganglioma.

SDHD Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Gill, A.J., et al. Hum. Pathol. 41(6):805-814(2010) Milosevic, D., et al. Clin. Biochem. 43 (7-8), 700-704 (2010) :Hermsen, M.A., et al. Cell. Oncol. 32(4):275-283(2010) Krawczyk, A., et al. Endokrynol Pol 61(1):43-48(2010)