

MTHFD2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9442c**Specification**

MTHFD2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P13995](#)

MTHFD2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10797

Other Names

Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial, NAD-dependent methylenetetrahydrofolate dehydrogenase, Methenyltetrahydrofolate cyclohydrolase, MTHFD2, NMDMC

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.

MTHFD2 Antibody (Center) Blocking Peptide - Protein Information

Name MTHFD2

Synonyms NMDMC

Function

Although its dehydrogenase activity is NAD-specific, it can also utilize NADP at a reduced efficiency.

Cellular Location

Mitochondrion.

MTHFD2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MTHFD2 Antibody (Center) Blocking Peptide - Images

MTHFD2 Antibody (Center) Blocking Peptide - Background

This gene encodes a nuclear-encoded mitochondrial bifunctional enzyme with methylenetetrahydrofolate dehydrogenase and methenyltetrahydrofolate cyclohydrolase activities. The enzyme functions as a homodimer and is unique in its absolute requirement for magnesium and inorganic phosphate. Formation of the enzyme-magnesium complex allows binding of NAD.

MTHFD2 Antibody (Center) Blocking Peptide - References

Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010)Hosgood, H.D. III, et al. Respir Med 103(12):1866-1870(2009)Shen, M., et al. Environ. Mol. Mutagen. 50(4):285-290(2009)Franke, B., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 85(3):216-226(2009)Shaw, G.M., et al. BMC Med. Genet. 10, 49 (2009) Prasannan, P., et al. J. Biol. Chem. 278(44):43178-43187(2003)