

Datasheet

MTHFD2 monoclonal antibody (M01), clone 4G7-2G3

Catalog Number: H00010797-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant MTHFD2.

Clone Name: 4G7-2G3

Immunogen: MTHFD2 (AAH01548, 16 a.a. ~ 344 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

SLRLRPFHLAAVRNEAVVISGRKLAQQIKQEVQRQVEVEE
WVASGNKRPHLSVILVGENPASHSYVLNKTRAAAVVGI
NSETIMKPASISEEELLNLINKLNDDNDVGLLVQLPLP
EHIDERRICNAVSPDKDVDGFHVINVGRMCLDQYSML
PATPWGVWEIIRKRTGIPTLGKNVVVAGRSKNVGMPIAM
LLHTDGAHERPGGDATVTISHRYTPKEQLKKHTILADIV
ISAAGIPNLITADMIKEGAAVIDVGINRVHDPVTAKPKLV
GDVDFEGVRQKAGYITPVPGGVGPMTVAMLMKNTIIA
AKKVLRLLEEREVLKSKELGVATN

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Ce, WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10797

Gene Symbol: MTHFD2

Gene Alias: NMDMC

Gene Summary: 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. Alternative splicing results in two different transcripts, one protein-coding and the other not protein-coding. This gene has a pseudogene on chromosome 7. [provided by RefSeq]