ME2 Antibody (C-term) Blocking peptide

Synthetic peptide Catalog # BP12610b

## **Specification**

#### ME2 Antibody (C-term) Blocking peptide - Product Information

**Primary Accession** 

P23368

## ME2 Antibody (C-term) Blocking peptide - Additional Information

**Gene ID 4200** 

#### **Other Names**

NAD-dependent malic enzyme, mitochondrial, NAD-ME, Malic enzyme 2, ME2

#### **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.

#### ME2 Antibody (C-term) Blocking peptide - Protein Information

Name ME2

#### **Function**

NAD-dependent mitochondrial malic enzyme that catalyzes the oxidative decarboxylation of malate to pyruvate.

## **Cellular Location**

Mitochondrion matrix

## ME2 Antibody (C-term) Blocking peptide - Protocols

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

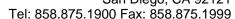
#### Blocking Peptides

ME2 Antibody (C-term) Blocking peptide - Images

# ME2 Antibody (C-term) Blocking peptide - Background

This gene encodes a mitochondrial NAD-dependent malicenzyme, a homotetrameric protein, that







catalyzes the oxidativedecarboxylation of malate to pyruvate. It had previously beenweakly linked to a syndrome known as Friedreich ataxia that hassince been shown to be the result of mutation in a completely different gene. Certain single-nucleotide polymorphism haplotypes of this gene have been shown to increase the risk for idiopathicgeneralized epilepsy. Alternatively spliced transcript variantsencoding different isoforms found for this gene. [provided byRefSeq].

# ME2 Antibody (C-term) Blocking peptide - References

MacDonald, M.J., et al. Arch. Biochem. Biophys. 488(2):100-104(2009)French, D., et al. Blood 113(19):4512-4520(2009)Escamilla, M. Pharmacogenomics 8(7):691-695(2007)Chou, W.Y., et al. Biochem. Biophys. Res. Commun. 357(1):133-138(2007)Lenzen, K.P., et al. Epilepsia 46(10):1637-1641(2005)