

**ME2 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12610b**

**Specification**

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**ME2 Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">P23368</a>
Other Accession	<a href="#">NP_002387.1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	65444
Antigen Region	527-556

**ME2 Antibody (C-term) - Additional Information**

**Gene ID** 4200

**Other Names**

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

**Target/Specificity**

This ME2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 527-556 amino acids from the C-terminal region of human ME2.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ME2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ME2 Antibody (C-term) - Protein Information**

**Name** ME2

**Function** NAD-dependent mitochondrial malic enzyme that catalyzes the oxidative

decarboxylation of malate to pyruvate.

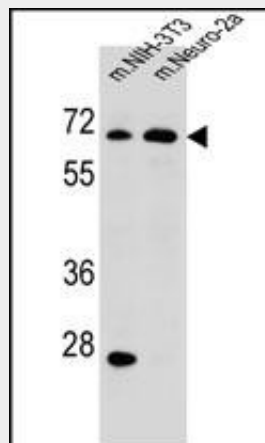
**Cellular Location**  
Mitochondrion matrix

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

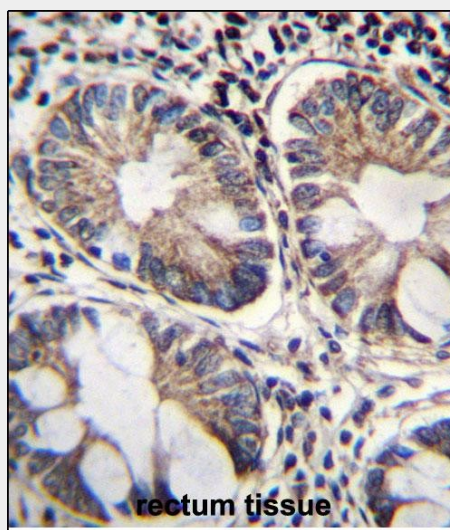
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### ME2 Antibody (C-term) - Images



ME2 Antibody (C-term) (Cat. #AP12610b) western blot analysis in mouse NIH-3T3, Neuro-2a cell line lysates (35ug/lane). This demonstrates the ME2 antibody detected the ME2 protein (arrow).



ME2 Antibody (C-term) (Cat. #AP12610b) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ME2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

### **ME2 Antibody (C-term) - Background**

This gene encodes a mitochondrial NAD-dependent malic enzyme, a homotetrameric protein, that catalyzes the oxidative decarboxylation of malate to pyruvate. It had previously been weakly linked to a syndrome known as Friedreich ataxia that has since 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 idiopathic generalized epilepsy. Alternatively spliced transcript variants encoding different isoforms found for this gene. [provided by RefSeq].

### **ME2 Antibody (C-term) - 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)