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ME2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12610b

Specification

ME2 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	P23368
Other Accession	NP_002387.1
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.

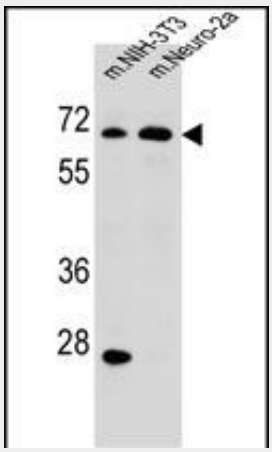
Cellular Location
Mitochondrion matrix

ME2 Antibody (C-term) - Protocols

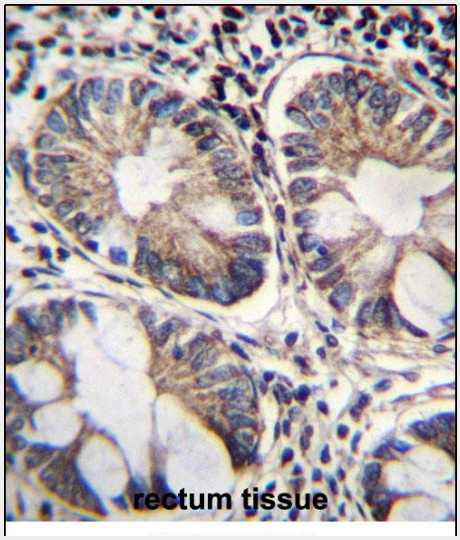
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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)
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Lenzen, K.P., et al. Epilepsia 46(10):1637-1641(2005)