

**ME2 Antibody (C-term)**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8621b**

**Specification**

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

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">P23368</a>
Reactivity	<b>Human, Mouse</b>
Host	<b>Mouse</b>
Clonality	<b>monoclonal</b>
Isotype	<b>IgG1,k</b>
Calculated MW	<b>65444</b>

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

**Gene ID** 4200

**Other Names**

NAD-dependent malic enzyme, mitochondrial, NAD-ME, 1.1.1.38, Malic enzyme 2, ME2

**Target/Specificity**

This ME2 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 522-556 amino acids from the C-terminal region of human ME2.

**Dilution**

WB~~1:4000

IHC-P~~1:25

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**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.

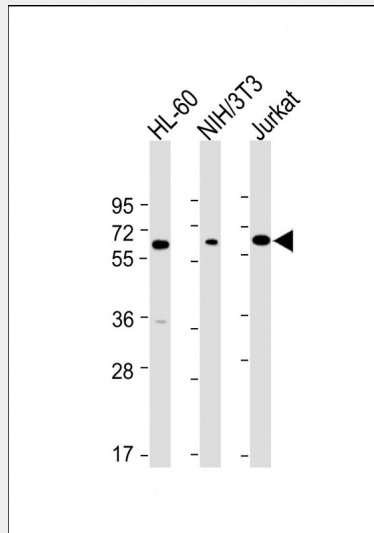
**Cellular Location**  
Mitochondrion matrix

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

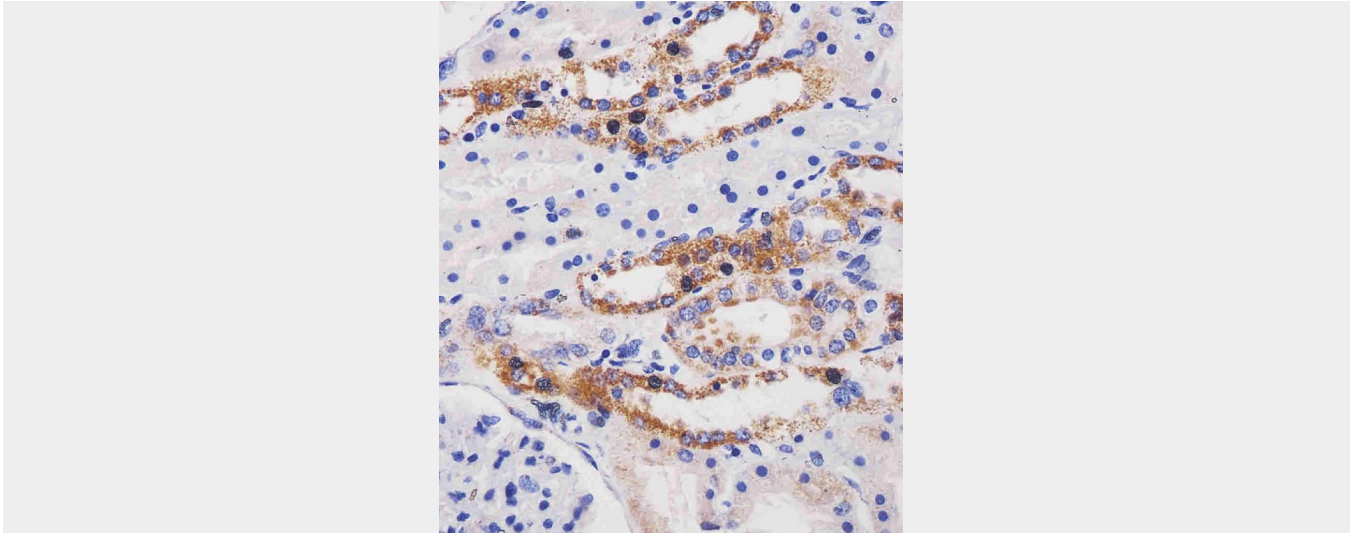
Provided below are standard protocols that you may find useful for product applications.

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

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



All lanes : Anti-ME2 Antibody (C-term) at 1:4000 dilution Lane 1: HL-60 whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5% NFD/DM/TBST.



AM8621b staining ME2 in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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

- Loeber G., et al. *J. Biol. Chem.* 266:3016-3021(1991).  
Yanaihara N., et al. *Genomics* 72:169-179(2001).  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).  
Nusbaum C., et al. *Nature* 437:551-555(2005).  
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.