

Datasheet for ABIN656541
anti-NAD-ME antibody (C-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	NAD-ME
Binding Specificity:	AA 527-556, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAD-ME antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB32070
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NAD-ME
Alternative Name:	ME2 (NAD-ME Products)
Background:	This gene encodes a mitochondrial NAD-dependent malic enzyme, a homotetrameric protein,

Target Details

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].

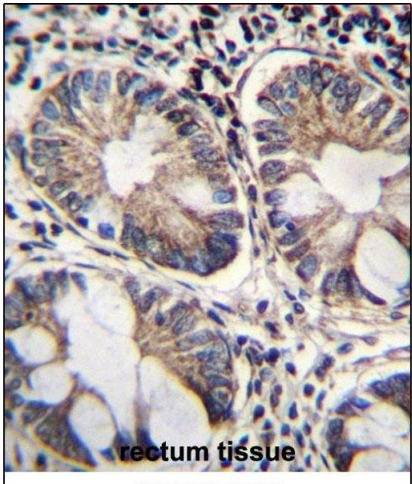
Molecular Weight:	65444
Gene ID:	4200
NCBI Accession:	NP_001161807 , NP_002387
UniProt:	P23368
Pathways:	Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

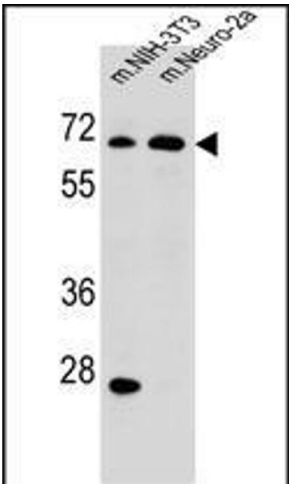
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	ME2 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ME2 Antibody (C-term) (ABIN656541 and ABIN2845805) 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.



Western Blotting

Image 2. ME2 Antibody (C-term) (ABIN656541 and ABIN2845805) western blot analysis in mouse NIH-3T3, Neuro-2a cell line lysates (35 µg/lane). This demonstrates the ME2 antibody detected the ME2 protein (arrow).