ELK Biotechnology

ME2 rabbit pAb

Cat No.:ES6217

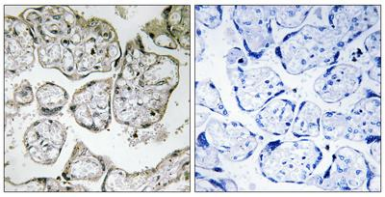
For research use only

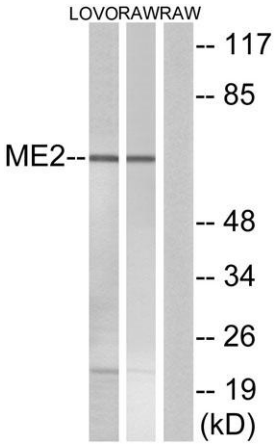
Overview

Product Name	ME2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ME2. AA range:201-250
Specificity	ME2 Polyclonal Antibody detects endogenous levels of ME2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	NAD-dependent malic enzyme mitochondrial
Gene Name	ME2
Cellular localization	Mitochondrion matrix .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	65kD
Human Gene ID	4200
Human Swiss-Prot Number	P23368
Alternative Names	ME2; NAD-dependent malic enzyme; mitochondrial; NAD-ME; Malic enzyme 2
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, Dec 2009],

Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using ME2 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from RAW264.7 and LOVO cells, using ME2 Antibody. The lane on the right is blocked with the synthesized peptide.

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