

产品名称: ME2 Rabbit Polyclonal Antibody
产品货号: APRab13763



产品概述 (Summary)

产品名称 (Production Name)	ME2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ME2
别名 (Alternative Names)	ME2; NAD-dependent malic enzyme; mitochondrial; NAD-ME; Malic enzyme 2
基因 ID (Gene ID)	4200.0
蛋白 ID (SwissProt ID)	P23368.The antiserum was produced against synthesized peptide derived from human ME2. AA range:201-250

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	65kDa

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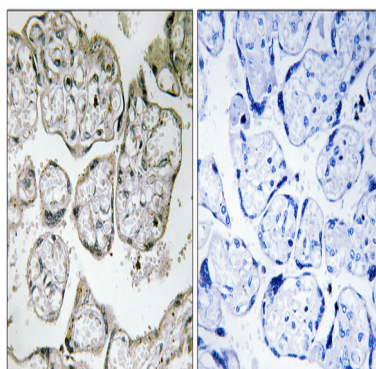
研究背景 (Background)

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], catalytic activity: (S)-malate + NAD(+) = pyruvate + CO(2) + NADH., cofactor: Divalent metal cations. Prefers magnesium or manganese., enzyme regulation: Subject to allosteric activation by fumarate., miscellaneous: This isoenzyme can also use NADP(+) but is more effective with NAD(+), similarity: Belongs to the malic enzymes family., subunit: Homotetramer.,

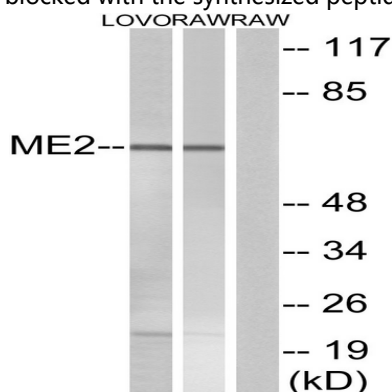
研究领域 (Research Area)

Pyruvate metabolism;

图片 (Image Data)



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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注意事项 (Note)

For research use only .