

产品名称: ME3 Rabbit Polyclonal Antibody
产品货号: APRab13764



产品概述 (Summary)

产品名称 (Production Name)	ME3 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,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)	ME3
别名 (Alternative Names)	ME3; NADP-dependent malic enzyme; mitochondrial; NADP-ME; Malic enzyme 3
基因 ID (Gene ID)	10873.0
蛋白 ID (SwissProt ID)	Q16798.The antiserum was produced against synthesized peptide derived from human ME3. AA range:545-594

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)	67kDa

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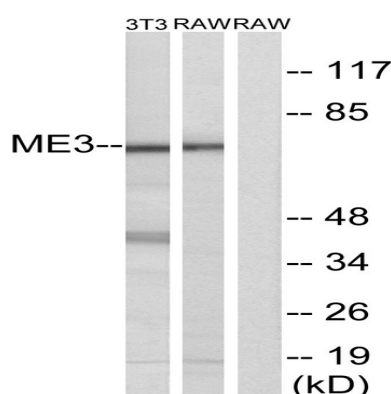
研究背景 (Background)

Malic enzyme catalyzes the oxidative decarboxylation of malate to pyruvate using either NAD⁺ or NADP⁺ as a cofactor. Mammalian tissues contain 3 distinct isoforms of malic enzyme: a cytosolic NADP(+)-dependent isoform, a mitochondrial NADP(+)-dependent isoform, and a mitochondrial NAD(+)-dependent isoform. This gene encodes a mitochondrial NADP(+)-dependent isoform. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008], catalytic activity: (S)-malate + NADP(+) = pyruvate + CO(2) + NADPH., cofactor: Divalent metal cations. Prefers magnesium or manganese., similarity: Belongs to the malic enzymes family., tissue specificity: Expressed predominantly in organs with a low-division rate.,

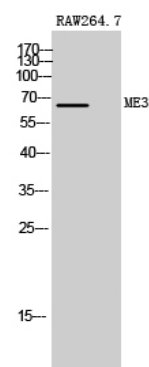
研究领域 (Research Area)

Pyruvate metabolism;

图片 (Image Data)

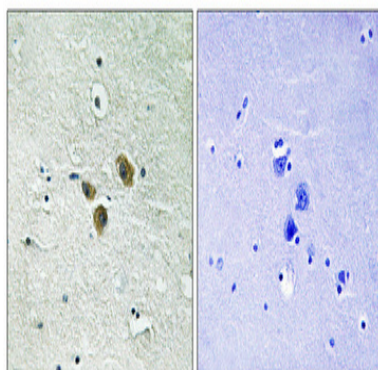


Western blot analysis of lysates from RAW264.7 and NIH/3T3 cells, using ME3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of RAW264.7 cells using ME3 Polyclonal Antibody

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Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .