

Anti-ME3 Antibody

Catalog # AP60769

Product Information

Application	WB, IHC
Primary Accession	Q16798
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67068

Additional Information

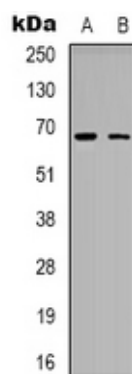
Gene ID	10873
Other Names	NADP-dependent malic enzyme mitochondrial; NADP-ME; Malic enzyme 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ME3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

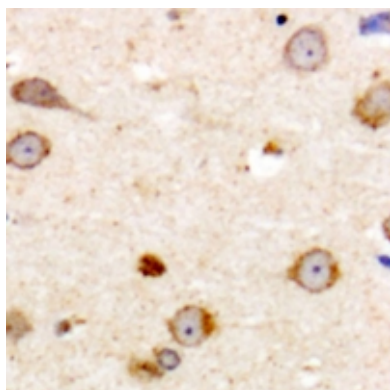
Name	ME3 (HGNC:6985)
Function	Catalyzes the oxidative decarboxylation of (S)-malate to pyruvate using NADP(+), and is able to reverse the reaction but only with significantly lower efficiency (PubMed: 7818469). Can also catalyze the decarboxylation of oxaloacetate into pyruvate (By similarity).
Cellular Location	Mitochondrion matrix.
Tissue Location	Expressed predominantly in organs with a low- division rate

Images

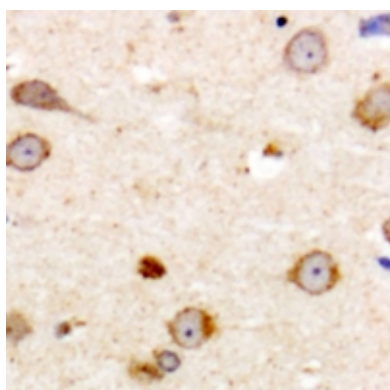
Western blot analysis of ME3 expression in Hela (A),



NIHC3T3 (B) whole cell lysates. (Predicted band size: 38; 67 kD; Observed band size: 67 kD)



Immunohistochemical analysis of ME3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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