10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ME1 Antibody

Catalog # AP61339

Product Information

Application	WB, IF/IC
Primary Accession	P48163
Reactivity	Human, Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64150

Additional Information

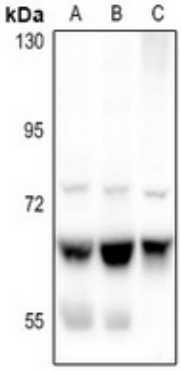
Gene ID	4199
Other Names	NADP-dependent malic enzyme; NADP-ME; Malic enzyme 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ME1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium 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

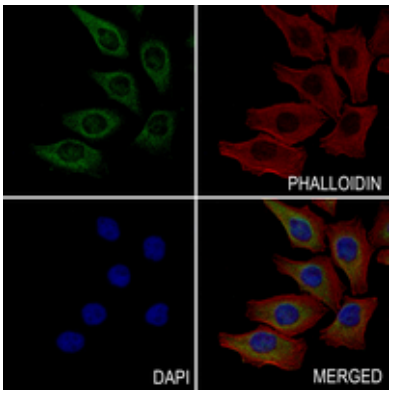
Protein Information

Name	ME1 (HGNC:6983)
Function	Catalyzes the oxidative decarboxylation of (S)-malate in the presence of NADP(+) and divalent metal ions, and decarboxylation of oxaloacetate.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in all tissues tested including liver, placenta and white adipose tissue.

Images

Western blot analysis of ME1 expression in Panc1 (A), SGC7901 (B), rat skin (C) whole cell lysates. (Predicted band size: 64 kD; Observed band size: 64 kD)





Immunofluorescent analysis of ME1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.