

Anti-ME2 Antibody

Catalog Number: A01380

About ME2

ME2 is a homotetrameric, mitochondrial NAD-dependent malic enzyme that catalyzes the oxidative decarboxylation of malate to pyruvate (1). It is related to malic enzyme 1 (ME1), a cytoplasmic NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis (2). The expression of both malic enzymes is reciprocally regulated by p53; this regulation has been shown to modulate metabolism and senescence (3). Certain single-nucleotide polymorphism haplotypes of the ME2 gene have been shown to increase the risk for idiopathic generalized epilepsy (4).

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Overview

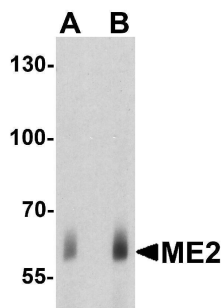
Product Name	Anti-ME2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-ME2 Antibody (Catalog # A01380). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	ME2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ME2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	P23368

Technical Details

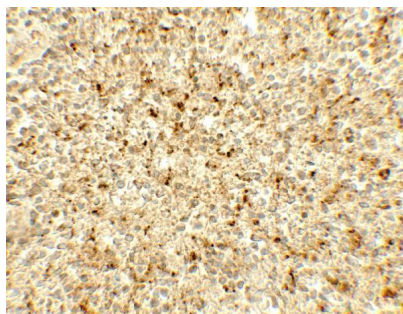
Immunogen	ME2 antibody was raised against a 17 amino acid peptide near the center of human ME2. The immunogen is located within amino acids 340 - 390 of ME2.
Predicted Reactive Species	Bovine, Guinea Pig, Pig
Cross Reactivity	ME2 antibody is human specific. At least two isoforms of ME2 are known to exist; this antibody will detect both isoforms. ME2 antibody is predicted not to cross-react with ME1.

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ME2 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ME2 antibody can be used for detection of ME2 by Western blot at 1 - 2 ug/ml. Antibody can also be used for Immunohistochemistry at 5 ug/mL. For Immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

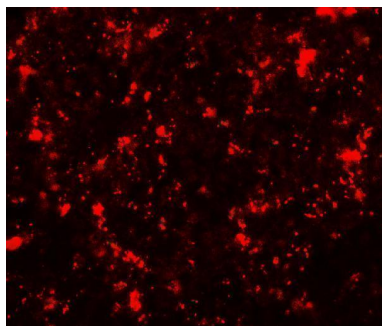
Anti-ME2 Antibody (A01380) Images



Western blot analysis of ME2 in human spleen tissue lysate with ME2 antibody at (A) 1 and (B) 2ug/ml.



Immunohistochemistry of ME2 in human spleen tissue with ME2 antibody at 5 ug/mL.



Immunofluorescence of ME2 in human spleen tissue with ME2 antibody at 20 ug/mL.

Anti-ME2 Antibody

For Research Use Only. Not for use in diagnostic procedures.