



ME3 Rabbit mAb

Catalog No	YP-rAb-17101
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	ME3
Protein Name	NADP-dependent malic enzyme mitochondrial
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	ME3;NADP-dependent malic enzyme mitochondrial;ME3 ; NADP-dependent malic enzyme ; mitochondrial ; NADP-ME ; Malic enzyme 3
Observed Band	60kD
Calculated Molecular Weight	67kD
Cell Pathway	Mitochondrion matrix.
Tissue Specificity	Expressed predominantly in organs with a low-division rate.
Function	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.,
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],



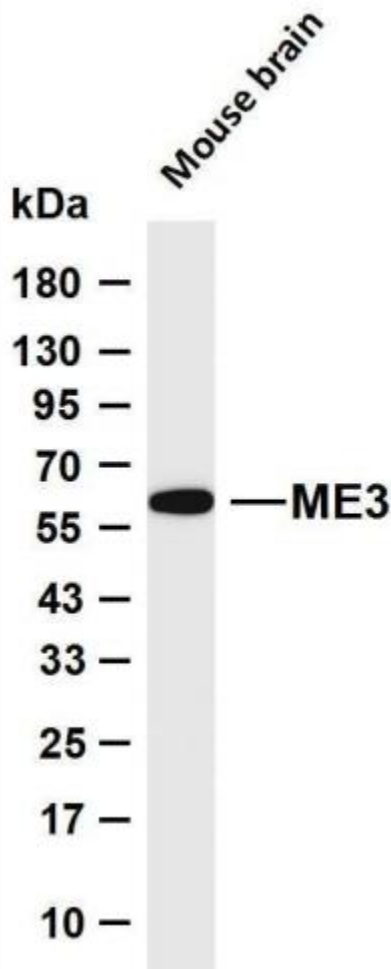


matters needing attention

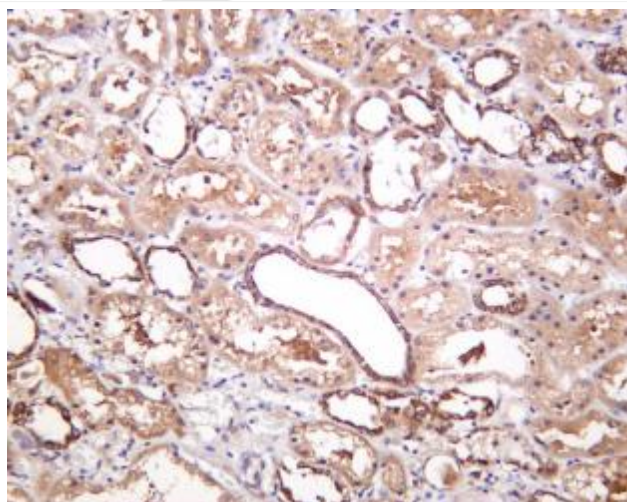
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

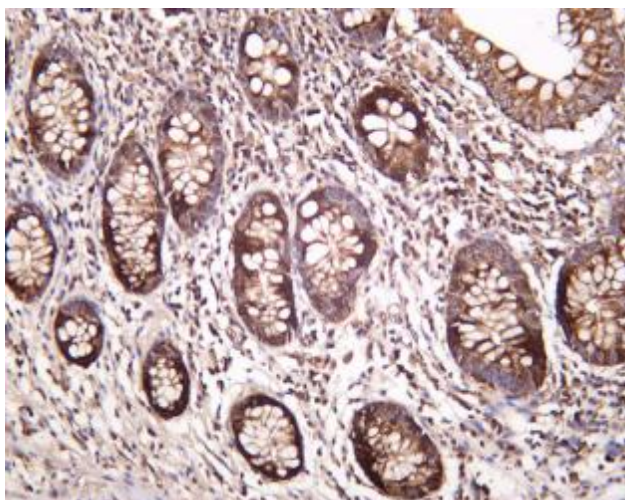


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ME3 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Predicted band size: 67kDa Observed band size: 60kDa



Human kidney was stained with anti-ME3 Rabbit antibody





Human appendix was stained with anti-ME3 Rabbit antibody

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