



# ME3 Polyclonal Antibody

<b>Catalog No</b>	BYab-02674
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	ME3
<b>Protein Name</b>	NADP-dependent malic enzyme mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human ME3. AA range:545-594
<b>Specificity</b>	ME3 Polyclonal Antibody detects endogenous levels of ME3 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ME3; NADP-dependent malic enzyme; mitochondrial; NADP-ME; Malic enzyme 3
<b>Observed Band</b>	67kD
<b>Cell Pathway</b>	Mitochondrion matrix.
<b>Tissue Specificity</b>	Expressed predominantly in organs with a low-division rate.
<b>Function</b>	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.,
<b>Background</b>	Malic enzyme catalyzes the oxidative decarboxylation of malate to pyruvate using either NAD <sup>+</sup> or NADP <sup>+</sup> 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

**Nanjing BYabscience technology Co.,Ltd**



been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008],

**matters needing attention**

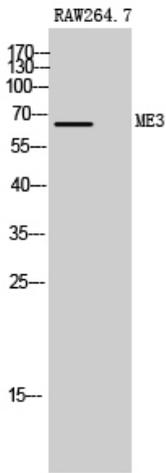
Avoid repeated freezing and thawing!

**Usage suggestions**

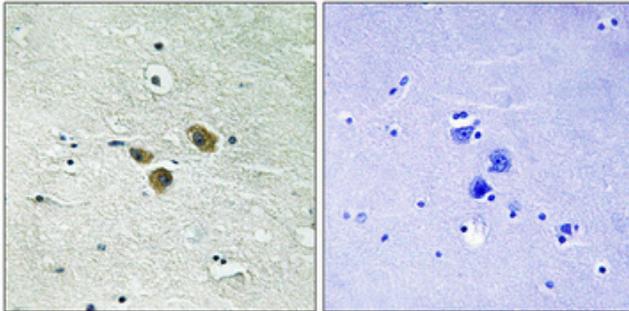
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



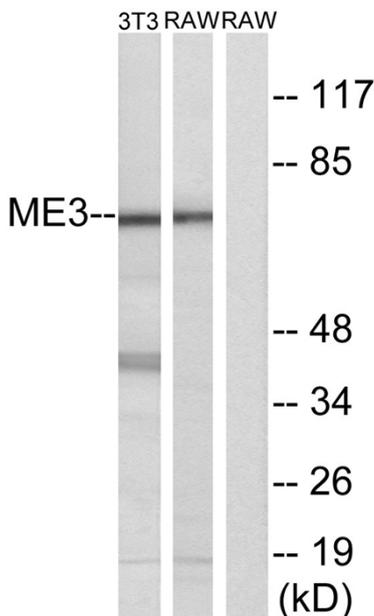
## Products Images



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



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 control (right) obtained from antibody was pre-absorbed by immunogen peptide.



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.