

## Rabbit anti-Human, Mouse ME3 Polyclonal Antibody | anti-ME3 antibody

ME3 Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                 |
|-----------|--------|--------------|--------------------------------------------------------------|
| AAA324880 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

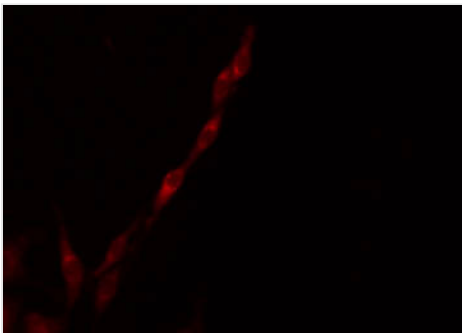
### PRODUCT SYNONYMS

ME3; Polyclonal Antibody; ME3 Antibody; Malate dehydrogenase; Malic enzyme 3; NADP(+) dependent; mitochondrial; NADP ME; NADPME; Pyruvic malic carboxylase; anti-ME3 antibody

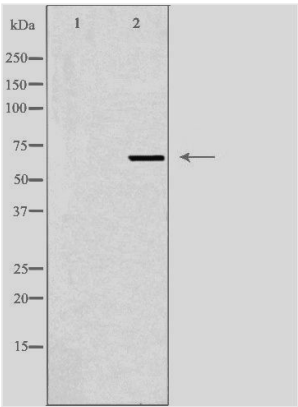
### PRODUCT SPECIFICATIONS

|                                               |                                                                                               |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                        |
| Reactivity                                    | Human, Mouse                                                                                  |
| Clonality                                     | Polyclonal                                                                                    |
| Isotype                                       | IgG                                                                                           |
| Specificity                                   | ME3 antibody detects endogenous levels of total ME3                                           |
| Purity/Purification                           | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                   | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                 | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                               | 604                                                                                           |
| Applicable Applications for anti-ME3 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                     | A synthesized peptide                                                                         |
| Subcellular Location                          | Mitochondrion Matrix.                                                                         |
| Tissue Specificity                            | Expressed predominantly in organs with a low-division rate.                                   |
| Conjugation                                   | Unconjugated                                                                                  |
| Preparation and Storage                       | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



**IF (Immunofluorescence)**  
AAA324880 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from 3T3 cells using ME3 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

|                                                   |                                                                                                            |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ME3 antibody | Function: (S)-malate + NADP+ = pyruvate + CO2 + NADPH.<br>Similarity: Belongs to the malic enzymes family. |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 62420882                                   |
| NCBI GeneID                      | 10873                                      |
| NCBI Accession #                 | NP_001014811.1                             |
| NCBI GenBank Nucleotide #        | NM_001014811.1                             |
| UniProt Accession #              | Q16798; Q8TBJ0; B7Z6V0                     |
| Molecular Weight                 | Observed: 67 kD<br>Predicted: 68 kDa       |
| NCBI Official Full Name          | NADP-dependent malic enzyme, mitochondrial |
| NCBI Official Synonym Full Names | malic enzyme 3                             |
| NCBI Official Symbol             | ME3                                        |
| NCBI Official Synonym Symbols    | NADP-ME                                    |
| NCBI Protein Information         | NADP-dependent malic enzyme, mitochondrial |
| UniProt Protein Name             | NADP-dependent malic enzyme, mitochondrial |
| UniProt Gene Name                | ME3                                        |
| UniProt Synonym Gene Names       | NADP-ME                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.