

## Product datasheet for **TA331170**

### ME1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-ME1 antibody: synthetic peptide directed towards the N terminal of human ME1. Synthetic peptide located within the following region: QQLNIHGLLPPSFNSQEIQVLRVVKNFHLSDFDRYLLMLDQRNEKL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	64 kDa
Gene Name:	malic enzyme 1
Database Link:	<a href="#">NP_002386</a> <a href="#">Entrez Gene 4199 Human P48163</a>



[View online »](#)

**Background:** ME1 is a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles. The regulation of expression for this gene is complex. Increased expression can result from elevated levels of thyroid hormones or by higher proportions of carbohydrates in the diet. This gene encodes a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles. The regulation of expression for this gene is complex. Increased expression can result from elevated levels of thyroid hormones or by higher proportions of carbohydrates in the diet. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:** HUMNDME; MES

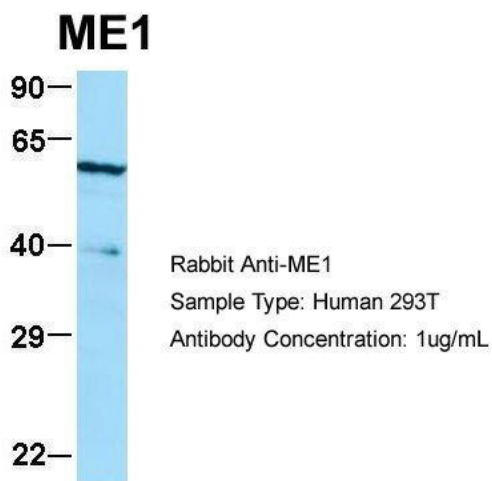
**Note:** Rat: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Horse: 92%; Sheep: 92%; Bovine: 92%; Pig: 91%; Dog: 85%

**Protein Pathways:** Metabolic pathways, PPAR signaling pathway, Pyruvate metabolism

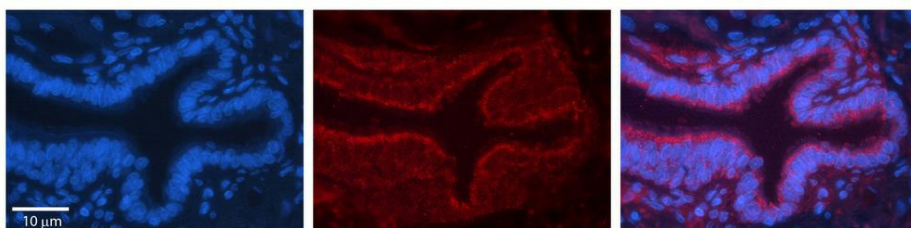
### Product images:



WB Suggested Anti-ME1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: HepG2 cell lysate



Host: Rabbit; Target Name: ME1; Sample Tissue: 293T; Antibody Dilution: 1.0ug/ml; ME1 is strongly supported by BioGPS gene expression data to be expressed in Human HEK293T cells



Rabbit Anti-ME1 Antibody; Formalin Fixed Paraffin Embedded Tissue: Human Bronchial Epithelial Tissue; Observed Staining: Cytoplasmic; Primary Antibody Concentration: 1:100; Secondary Antibody: Donkey anti-Rabbit-Cy3; Secondary Antibody Concentration: 1:2