

Rabbit ME3 Polyclonal Antibody | anti-ME3 antibody

ME3 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281592	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

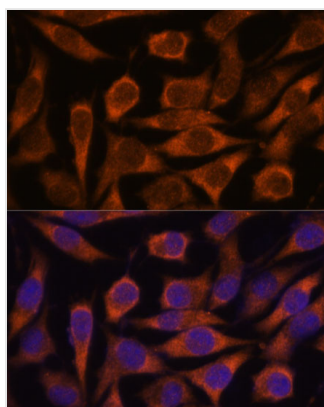
PRODUCT SYNONYMS

ME3; Polyclonal Antibody; ME3 Rabbit pAb; NADP-ME; anti-ME3 antibody

PRODUCT SPECIFICATIONS

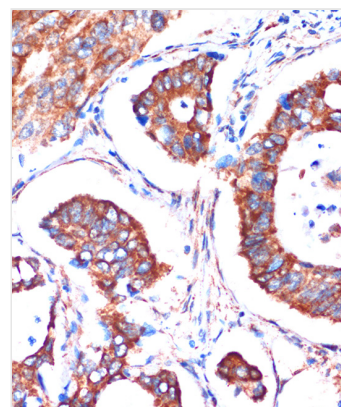
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	IRHIPDEIFL LTAEQIAQEV SEQHLSQGRL YPPLSTIRDV SLRIAIKVLD YAYKHNLAS YPEPKDKEAF VRSLVYTPDY DSFTLDSYTW PKEAMNVQTV
Applicable Applications for anti-ME3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 505-604 of human ME3 (NP_001014811.1).
Cellular Location	Mitochondrion matrix
Positive Samples	HT-29, 293T, Mouse brain, Mouse heart, Mouse kidney, Rat brain, Rat heart, Rat kidney
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



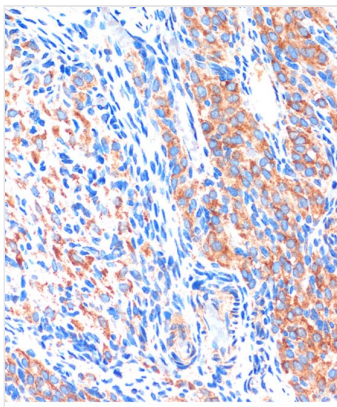
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using ME3 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



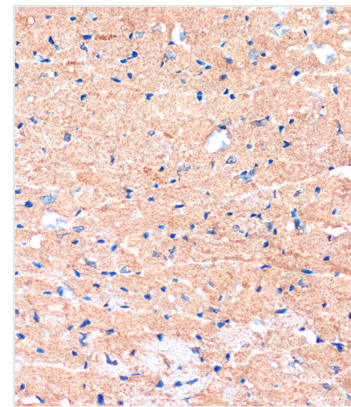
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon carcinoma using ME3 Rabbit pAb at dilution of 1:100 (40x lens).



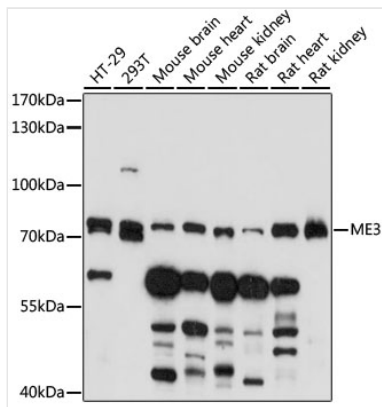
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Rat ovary using ME3 Rabbit pAb at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Mouse heart using ME3 Rabbit pAb at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ME3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-ME3 antibody	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.
Product Categories/Family for anti-ME3 antibody	Endocrine & Metabolism ; Mitochondrial metabolism ; Mitochondrial markers ; Research ; Endocrine & Metabolism ; Warburg Effect

NCBI AND UNIPROT INFORMATION

NCBI GI #	62420882
NCBI GeneID	10873
NCBI Accession #	NP_001014811.1
NCBI GenBank Nucleotide #	NM_001014811.1
UniProt Accession #	Q16798
Molecular Weight	67,068 Da
NCBI Official Full Name	NADP-dependent malic enzyme, mitochondrial

NCBI Official Synonym Full Names	malic enzyme 3, NADP(+)-dependent, mitochondrial
NCBI Official Symbol	ME3
NCBI Official Synonym Symbols	NADP-ME
NCBI Protein Information	NADP-dependent malic enzyme, mitochondrial; malate dehydrogenase; pyruvic-malic carboxylase; malic enzyme, NADP+-dependent, mitochondrial; mitochondrial NADP(+)-dependent malic enzyme 3
UniProt Protein Name	NADP-dependent malic enzyme, mitochondrial
UniProt Gene Name	ME3
UniProt Synonym Gene Names	NADP-ME
UniProt Entry Name	MAON_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/me3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281592>