Datasheet for ABIN7600275

anti-ME3 antibody (AA 17-585)

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Overview

Quantity:	100 µg
Target:	ME3
Binding Specificity:	AA 17-585
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ME3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ME3 Antibody Picoband®
Immunogen:	E.coli-derived human ME3 recombinant protein (Position: R17-D585). Human ME3 shares 95.8% amino acid (aa) sequence identity with mouse ME3.
Characteristics:	Anti-ME3 Antibody Picoband® (ABIN7600275). Tested in WB, IHC, IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Monkey, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ME3
Alternative Name:	ME3 (ME3 Products)
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.
Molecular Weight:	67 kDa
Gene ID:	10873
UniProt:	Q16798
Pathways:	Warburg Effect

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Monkey, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Loeber, G., Maurer-Fogy, I., Schwendenwein, R. Purification, cDNA cloning and heterologous expression of the human mitochondrial NADP(+)-dependent malic enzyme. Biochem. J. 304: 687-692, 1994.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.

It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.

