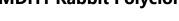
MDH1 Rabbit Polyclonal Antibody





Product Information

CAB7563

Product SKU: CAB7563 **Gene ID**: 4190 **Size**: 20uL, 100uL

Clone No: - Host Species: Rabbit Reactivity: Human, Mouse, Rat

Additional Information

Observed MW: 36kDa **Conjugate:** Unconjugated

Calculated MW: 36kDa Isotype: IgG

Immunogen Information

Background: This gene encodes an enzyme that catalyzes the NAD/NADH-dependent, reversible oxidation of malate

to oxaloacetate in many metabolic pathways, including the citric acid cycle. Two main isozymes are known to exist in eukaryotic cells: one is found in the mitochondrial matrix and the other in the cytoplasm. This gene encodes the cytosolic isozyme, which plays a key role in the malate-aspartate shuttle that allows malate to pass through the mitochondrial membrane to be transformed into oxaloacetate for further cellular processes. Alternatively spliced transcript variants have been found for this gene. A recent study showed that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is localized in the peroxisomes. Pseudogenes have been identified on chromosomes X and

6.

Recommended Dilution: WB,1:500 - 1:2000

Synonyms: KAR; MDHA; MOR2; DEE88; MDH-s; EIEE88; HEL-S-32; MGC:1375; MDH1

Purifcation Method: Affinity purification

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-334 of human

MDH1 (NP_005908.1).

Storage: Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.