# MDH1 Rabbit pAb

**db2759** **Package : 20μL 50μL 100μL**

**Product Name :** MDH1 Rabbit pAb
**Cat.No.:** db2759
**Synonyms :** MDHA; MOR2; MDH-s; HEL-S-32; MGC:1375
**Application :** WB, ICC/IF, FC, IP
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

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| **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. [provided by RefSeq, Feb 2016] |
| **Immunogen** | A synthetic peptide of human MDH1 |
| **Gene ID** | 4190 |
| **Swiss Prot** | P40925 |
| **Synonyms** | MDHA; MOR2; MDH-s; HEL-S-32; MGC:1375 |
| **Reactivity** | Human, Mouse, Rat |
| **Application** | WB, ICC/IF, FC, IP |
| **Recommended dilution** | WB: 1:5000<br>ICC/IF: 1:50<br>FC: 1:20<br>IP: 1:20 |
| **Calculated MW** | 36 kDa |
| **Observed MW** | 36 kDa |
| **Host species** | Rabbit |

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| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Storage Stability** | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |