

## Product datasheet for **TA348973**

### MDH1 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 0.03-0.1 ug/ml
Reactivity:	Human, Mouse, Rat, Pig (Expected from sequence similarity: Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-MDH1 / MOR2 (aa211-223) Antibody: Peptide with sequence C-PDVNHAKVKLQGK, from the internal region of the protein sequence according to NP_001186040.1; NP_005908.1; NP_001186041.1.
Formulation:	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	malate dehydrogenase 1
Database Link:	<a href="#">NP_005908</a> <a href="#">Entrez Gene 17449 Mouse</a> <a href="#">Entrez Gene 24551 Rat</a> <a href="#">Entrez Gene 4190 Human</a> <a href="#">P40925</a>
Background:	Malate dehydrogenase catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. The protein encoded by this gene is localized to the cytoplasm and may play pivotal roles in the malate-aspartate shuttle that operates in the metabolic coordination between cytosol and mitochondria. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Nov 2010]



[View online »](#)

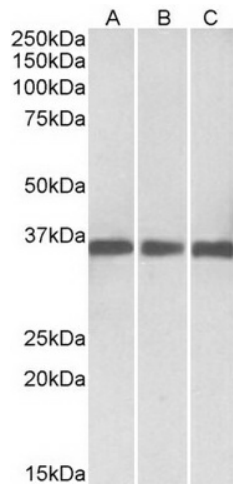
**Synonyms:** HEL-S-32; MDH-s; MDHA; MGC:1375; MOR2

**Note:** This antibody is expected to recognize all reported isoforms (NP\_001186040.1; NP\_005908.1; NP\_001186041.1).

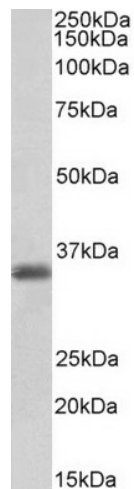
**Protein Families:** Druggable Genome

**Protein Pathways:** Citrate cycle (TCA cycle), Glyoxylate and dicarboxylate metabolism, Metabolic pathways, Pyruvate metabolism

**Product images:**



TA348973 (0.03 ug/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



TA348973 (0.1 ug/ml) staining of Pig Heart lysates (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.