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Research Use Only. Not for diagnostic or therapeutic use.

EB13027 - Goat Anti-MDH2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MDH2, malate dehydrogenase 2, NAD (mitochondrial), M-MDH, MDH,

MGC:3559, MOR1, malate dehydrogenase, mitochondrial

Official Symbol: MDH2

Accession Number(s): NP_005909.2

Human GeneID(s): 4191

Non-Human GenelD(s): 17448 (mouse), 81829 (rat)

Immunogen

Peptide with sequence C-TRDDLFNTNAT, from the internal region of the protein sequence according to NP_005909.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

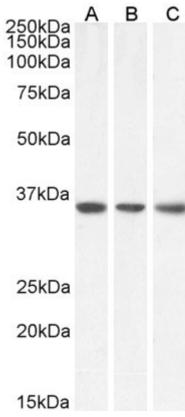
Western blot: Approx 35kDa band observed in lysates of cell lines HeLa, HepG2 and NIH3T3 (calculated MW of 35.5kDa according to Human NP_005909.2 and 35.6kDa according to Mouse NP_032643.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour. Approx 35kDa band observed in Human, Mouse, Rat and Pig Heart lysates (calculated MW of 35.5kDa according to Human NP_005909.2 and 35.6kDa according to Mouse NP_032643.2, Rat NP_112413.2 and Pig NP_001231082.1). Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Skeletal Muscle. Recommended concentration: 5µg/ml.

Species Reactivity

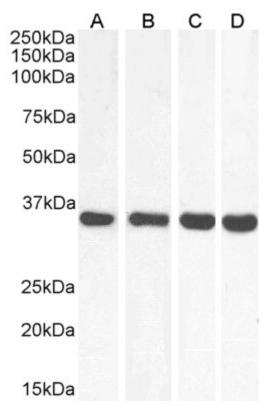
Tested: Human, Mouse, Rat, Pig

Expected from sequence similarity: Human, Mouse, Rat, Pig, Cow

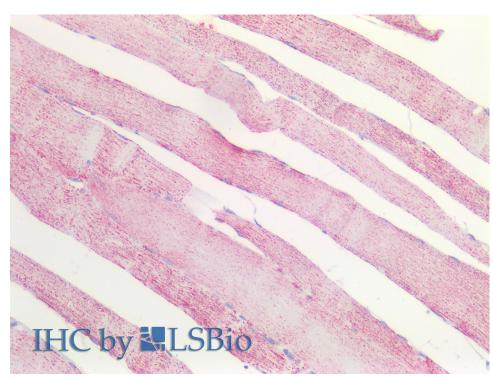


EB13027 (0.1µg/ml) staining of HeLa (A), HepG2 (B) and NIH3T3 (C) lysate (35µg protein in RIPA buffer).

Detected by chemiluminescence.



EB13027 (0.01μg/ml) staining of Human (A), Mouse (B), Rat (C) and Pig (D) Heart lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



EB13027 (5µg/ml) staining of paraffin embedded Human Skeletal Muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.