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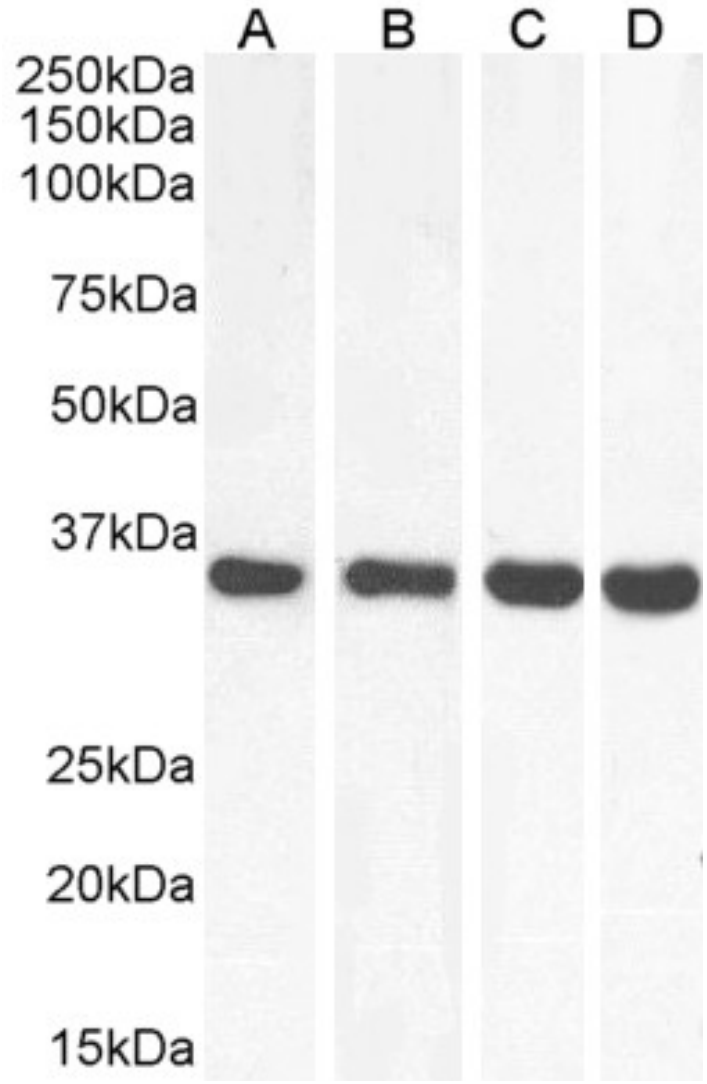
GOAT ANTI-MDH2 ANTIBODY

SKU: EB13027



SPECIFICATIONS

Formulation Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size 100 µg

Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	malate dehydrogenase, mitochondrial|MOR1|MGC:3559|MDH|M-MDH|malate dehydrogenase 2, NAD (mitochondrial)|MDH2
Accession ID	NP_005909.2
Blocking Peptide	EBP13027
Immunogen	Peptide with sequence C-TRDDLFNTNAT, from the internal region of the protein sequence according to NP_005909.2.
Peptide Sequence	C-TRDDLFNTNAT
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Pig, Cow
Reactive Species	Human, Mouse, Rat, Pig
Human Gene ID	4191
Mouse Gene ID	17448
Rat Gene ID	81829
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
IHC Results	Paraffin embedded Human Skeletal Muscle. Recommended concentration: 5µg/ml.
ELISA Detection Limit	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. This antibody has been successfully used in WB on Human, PMID: 38609156.
Application Type	Pep-ELISA, WB, IHC

SELECTED REFERENCES

[{"pmid": 38609156, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "Cytosolic RNA binding of the mitochondrial TCA cycle enzyme malate dehydrogenase.", "author": "Michelle Noble, Aindrila Chatterjee, Thileepan Sekaran, Thomas Schwarzl, Matthias W Hentze", "journal": "RNA. 2024 Jun 17;30(7):839-853."}]

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DOCUMENTS

- Data Sheet

GALLERY IMAGES