

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB10998 - Goat Anti-IDH3B (aa33-46) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: IDH3B, isocitrate dehydrogenase 3 (NAD+) beta, FLJ11043, H-IDHB, MGC903, RP46, NAD(+)-specific ICDH subunit beta, NAD+-specific ICDH, NAD+-specific isocitrate dehydrogenase b subunit, NAD+-specific isocitrate dehydrogenase beta, isocitrate dehydrogenase [NAD] subunit beta, mitochondrial, isocitrate dehydrogenase, NAD(+)-specific, mitochondrial, beta subunit, isocitric dehydrogenase subunit beta

Official Symbol: IDH3B

Accession Number(s): NP_008830.2; NP_777280.1

Human GenelD(s): 3420

Non-Human GeneID(s): 170718 (mouse), 94173 (rat)

Important Comments: This antibody is expected to recognize isoform a (NP_008830.2)

and isoform b (NP_777280.1).

Immunogen

Peptide with sequence C-HAASRSQAEDVRVE, from the internal region (near N Terminus) of the protein sequence according to NP_008830.2; NP_777280.1.

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

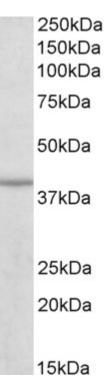
Peptide ELISA: antibody detection limit dilution 1:1000.

Western blot: Approx 39kDa band observed in Mouse, Rat and Pig Heart lysates and in Human and Mouse Skeletal Muscle lysates (calculated MW of 41.9kDa according to NP_777280.1). Recommended concentration: 0.3-1µg/ml.

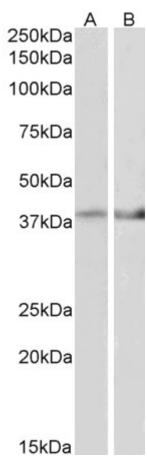
Species Reactivity

Tested: Human, Mouse, Rat, Pig

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



EB10998 (0.3 μ g/ml) staining of Human Skeletal muscle lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10998 (2μg/ml) staining of Mouse Heart (A) and Mouse Muscle (B) lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB10998 (0.1 μ g/ml) staining of Pig Heart lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.