

Goat anti-IDH3B (aa369-383) Antibody

Item Number	dAP-2451
Target Molecule	Principle Name: IDH3B (aa369-383); Official Symbol: IDH3B; All Names and Symbols: 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 [; Accession Number (s): NP_008830.2; NP_777281.1; Human Gene ID(s): 3420; Non-Human GeneID(s): 170718 (mouse) 94173 (rat)
Immunogen	TTDFIKSVIGHLQTK, is from C Terminus This antibody is expected to recognize isoform a (NP_008830.2) and isoform c (NP_777281.1).
Applications	Pep ELISA, WB Species Tested: Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 40kDa band observed in lysates of Mouse fetal Kidney and fetal Skeletal Muscle and of cell line NIH3T3 (calculated MW of 42.2kDa according to Human NP_008830.2 and Mouse NP_570954.1). Recommended concentration: 0.03-0.1µg/ml.
IHC	
Reference	Reference(s): Bzymek KP, Colman RF. Role of alpha-Asp181, beta-Asp192, and gamma-Asp190 in the distinctive subunits of human NAD-specific isocitrate dehydrogenase. Biochemistry. 2007 May 8;46(18):5391-7..PMID: 17432878->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**