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EB06731 - Goat Anti-Pyruvate dehydrogenase / PDHX Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PDHX, pyruvate dehydrogenase complex, component X, E3BP, OPDX, PDX1, proX, DLDBP, E3-binding protein, pyruvate dehydrogenase complex, lipoyl-containing component X, dihydrolipoamide dehydrogenase-binding protein of pyruvate dehydrogenase complex, pyruvate dehydrogenase complex, E3-binding protein subunit, pyruvate dehydrogenase protein X component, mitochondrial

Official Symbol: PDHX

Accession Number(s): NP_003468.2; NP_001128496.1; NP_001159630.1

Human GeneID(s): 8050

Non-Human GenelD(s): 27402 (mouse)

Important Comments: This antibody is expected to recognise all reported isoforms.

Immunogen

Peptide with sequence C-KSFKANLENPIRLA, from the C Terminus of the protein sequence according to NP_003468.2; NP_001128496.1; NP_001159630.1.

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 1:32000.

Western blot: Approx 50kDa band observed in Human Pancreas lysate (calculated MW of 54.2kDa according to NP_003468.1). In transfected HEK293 transiently expressing PDHX a band of approx. 50kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.1-1µg/ml.

Species Reactivity

Tested: Human

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



EB06371 ($1\mu g/ml$) staining of Human Pancreas lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.