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EB06599 - Goat Anti-pan ADH Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: pan ADH, ADH1B, ADH2, alcohol dehydrogenase IB (class I), beta polypeptide, ADH, beta subunit, aldehyde reductase, alcohol dehydrogenase 2, alcohol dehydrogenase 2 (class I), beta polypeptide, alcohol dehydrogenase 1B (class I), beta polypeptide
Official Symbol: ADH1A, B, C
Accession Number(s): NP_000658.1; NP_000659.2; NP_000660.1
Human GeneID(s): 124 , 125
Important Comments: This antibody is expected to recognise the alpha (ADH1A, NP_000658.1), the beta (ADH1B, NP_000659.2) and gamma (ADH1C, NP_000660.1) polypeptide variants of human alcohol dehydrogenase.

Immunogen

Peptide with sequence STAGKVMKCKA, from the N Terminus of the protein sequence according to NP_000658.1; NP_000659.2; NP_000660.1.

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 1:8000.
Western blot: Approx 38kDa band observed in Human Liver lysates (calculated MW of 39.9kDa according to NP_000658.1, NP_000659.2 and 000660.1). Recommended concentration: 1-3µg/ml.
IHC: Customer found this product to work in IHC on Human Liver.

Species Reactivity

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

Specific Reference

This antibody has been successfully used on Rat:
Yamashita H, Goto M, Matsui-Yuasa I, Kojima-Yuasa A.
Ecklonia cava Polyphenol Has a Protective Effect against Ethanol-Induced Liver Injury in a Cyclic AMP-Dependent Manner.
Mar Drugs. 2015 Jun 18;13(6):3877-91.
PMID: 26096275

EB06599 (1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.