

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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 in Western blot in 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.