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ADH1 Antibody

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

CATALOG NO.: 45-004

HOST:
Goat

CLONALITY:
Polyclonal

INFORMATION:
ADH1 Antibody. This antibody is expected to recognise the alpha (ADH1A, NP_ 000658), the beta (ADH1B, NP_000659) and gamma (ADH1C, NP_000660) polypeptide variants of human alcohol dehydrogenase.

SOURCE:
ADH1 antibody was raised against a synthetic peptide near the N-terminus of ADH1.

PROTEIN ACCESSION NUMBER(S) :
NP_000658.1; NP_000659.2; NP_000660.1

SPECIES REACTIVITY:
Human, Mouse, Rat

TESTED APPLICATION:
ELISA, Western Blot

APPLICATION:
Peptide ELISA: antibody detection limit dilution 1:16,000. 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: 0.3-1.5µg/ml.

PURIFICATION:
Purifed from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:
Antibody is supplied as 0.1mg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Western blot analysis of ADH1 in Human Liver lysate (35µg protein in RIPA buffer) using ADH1 antibody (0.3µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Ikuta T, Fujiyoshi T, Kurachi K, Yoshida A. Molecular cloning of a full-length cDNA for human alcohol dehydrogenase. Proc Natl Acad Sci U S A. 1985 May;82(9):2703-7.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.