

AKR1B10 Antibody

AKR1B10, aldo-keto reductase family 1, member B10 (aldose reductase), AKR1B11, AKR1B12, ALDRLn, ARL-1, ARL1, HIS, HIS, MGC14103, aldo-keto reductase family 1, member B10, aldo-keto reductase family 1, member B11 (aldose reductase-like), aldose reductase-like 1N: aldose reductase-like peptide, aldose reductase-related protein, small intestine reductase

CATALOG NO.: 45-234

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

AKR1B10 Antibody.

SOURCE:

AKR1B10 antibody was raised against a synthetic peptide of AKR1B10.

PROTEIN ACCESSION NUMBER(S) :

NP_064695.2

SPECIES REACTIVITY:

Human

TESTED APPLICATION:

WB, E

APPLICATION:

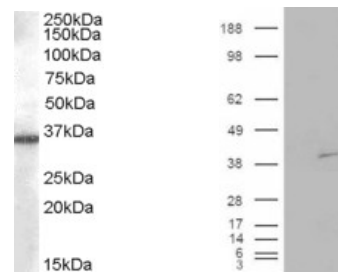
Peptide ELISA: antibody detection limit dilution 1:8,000.
Western Blot: Approx 35kDa band observed in lysates of cell lines HEK293, A549 and HepG2 (calculated MW of 36.0kDa according to NP_064695.2). Recommended concentration: 0.03-0.1µg/ml.

PURIFICATION:

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

BUFFER:

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Left: Western blot analysis of AKR1B10 in A549 cell lysate (35µg protein in RIPA buffer) using AKR1B10 antibody (0.03µg/mL). Right: HEK293 overexpressing AKR1B10 and probed with AKR1B10 antibody (mock transfection in first lane).

STORAGE:

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

REFERENCE:

Tammali R, Ramana KV, Singhal SS, Awasthi S, Srivastava SK. Aldose reductase regulates growth factor-induced cyclooxygenase-2 expression and prostaglandin E2 production in human colon cancer cells. *Cancer Res.* 2006 Oct 1;66(19):9705-13.

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.