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EB08336 - Goat Anti-AKR1B10 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: 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
Official Symbol: AKR1B10
Accession Number(s): NP_064695.2
Human GeneID(s): 57016

Immunogen

Peptide with sequence C-QSSHLEDYPFDAE, from the C Terminus of the protein sequence according to NP_064695.2.

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.

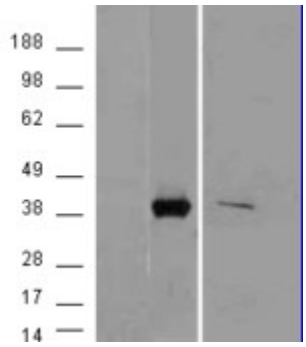
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx 35kDa band observed in lysates of cell lines HEK293, A549 and HepG2 (calculated MW of 36.0kDa according to NP_064695.2). In transfected HEK293 transiently expressing AKR1B10 a band of approx. 40kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 0.03-0.1µg/ml.

Species Reactivity

Tested: Human
Expected from sequence similarity: Human

EB08336 (0.03µg/ml) staining of A549 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing AKR1B10 (RC203177) with C-terminal tag (DYKDDDDK) and probed with anti-DYKDDDDK in the left panel and with EB08336 in the right panel (mock transfection in first and last lanes), tested by Origene.