Datasheet for ABIN238673

anti-AKR1B10 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µg
Target:	AKR1B10
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This AKR1B10 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	AKR1B10
Immunogen:	Peptide with sequence C-QSSHLEDYPFDAE, from the C Terminus of the protein sequence according to NP_064695.2.
Sequence:	QSSHLEDYPF DAE
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

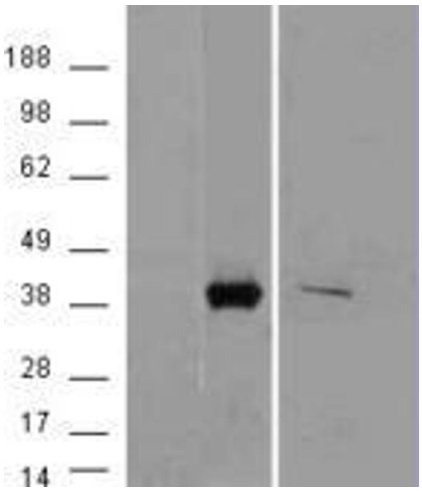
Target:	AKR1B10
Alternative Name:	AKR1B10 (AKR1B10 Products)
Background:	AKR1B10, aldo-keto reductase family 1, member B10 (aldose reductase) , AKR1B11, AKR1B12, ALDRLn, ARL-1, ARL1, HIS, HIS, MGC14103, aldo-keto reductase family 1, member B10, aldo-keto reductase family 1, member B11 (aldose reductase-like), aldose reductase
Gene ID:	57016
NCBI Accession:	NP_064695

Application Details

Application Notes:	Western Blot: Approx 35 kDa band observed in lysates of cell lines HEK293, A549 and HepG2 (calculated MW of 36.0 kDa according to NP_064695.2). In transfected HEK293 transiently expressing AKR1B10 a band of approx. 40 kDa is observed. This band is not obse Peptide ELISA: antibody detection limit dilution 1:8000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. HEK293 overexpressing AKR1B10 (ABIN5392097) with C-terminal tag (DYKDDDDK) and probed with anti-DYKDDDDK in the left panel and with ABIN238673 in the right panel (mock transfection in first and last lanes).

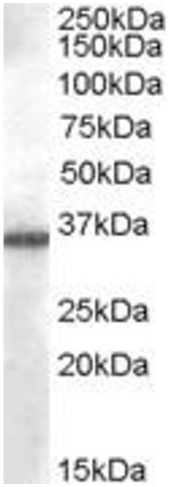


Image 2. ABIN238673 (0.03µg/ml) staining of A549 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.