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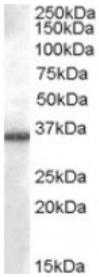
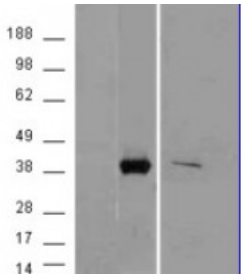
AKR1B10 Antibody

CATALOG NUMBER: 45-234



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



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

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	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 obse
POSITIVE CONTROL:	1) Cat. No. 1203 - A549 Cell Lysate
IMMUNOGEN:	AKR1B10 antibody was raised against a 13 amino acid synthetic peptide near the C-Terminus of AKR1B10.
HOST SPECIES:	Goat

Properties

PURIFICATION:	AKR1B10 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	AKR1B10 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	AKR1B10, aldo-keto reductase family 1, member B10 (aldose reductase), AKR1B11, AKR1B12, ALDRLn, ARL-1, ARL1, HIS, MGC14103, member B10, member B11 (aldose reductase-like), aldose reductase-like 1N: aldose reductase-like peptide, aldose reductase-related protein, small intestine reductase
ACCESSION NO.:	NP_064695.2
PROTEIN GI NO.:	20127592

OFFICIAL SYMBOL:	AKR1B10
GENE ID:	57016

Background

REFERENCES:	1) 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.

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December 13, 2016