

Datasheet for ABIN7143685  
**anti-AKR1B1 antibody (AA 1-316)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	AKR1B1
Binding Specificity:	AA 1-316
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1B1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Aldo-keto reductase family 1 member B10 protein (1-316AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	AKR1B1
Alternative Name:	AKR1B1 ( <a href="#">AKR1B1 Products</a> )
Background:	Background: Acts as all-trans-retinaldehyde reductase. Can efficiently reduce aliphatic and aromatic aldehydes, and is less active on hexoses (in vitro). May be responsible for

## Target Details

detoxification of reactive aldehydes in the digested food before the nutrients are passed on to other organs.

Aliases: AK1BA\_HUMAN antibody, AKR1B10 antibody, AKR1B11 antibody, AKR1B12 antibody, Aldo keto reductase family 1 member B10 antibody, aldo keto reductase family 1 member B11 antibody, Aldo-keto reductase family 1 member B10 (aldose reductase) antibody, Aldo-keto reductase family 1 member B10 antibody, Aldo-keto reductase family 1 member B11 (aldose reductase-like) antibody, aldose reductase like 1 antibody, Aldose reductase like antibody, aldose reductase like peptide antibody, Aldose reductase related protein antibody, Aldose reductase-like antibody, Aldose reductase-related protein antibody, ALDRLn antibody, ARL 1 antibody, ARL-1 antibody, ARL1 antibody, ARL1 Human small intestine reductase antibody, ARP antibody, hARP antibody, HIS antibody, HSI antibody, SI reductase antibody, Small intestine reductase antibody

UniProt: [O60218](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [C21-Steroid Hormone Metabolic Process](#), [Monocarboxylic Acid Catabolic Process](#)

## Application Details

Application Notes: Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

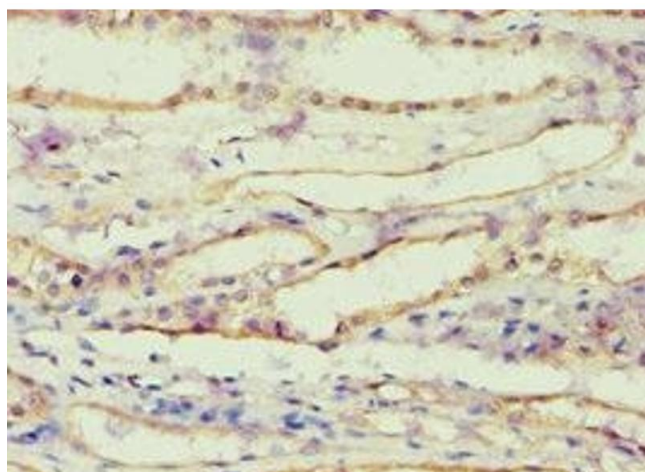
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

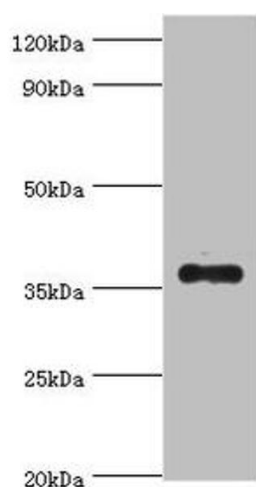
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



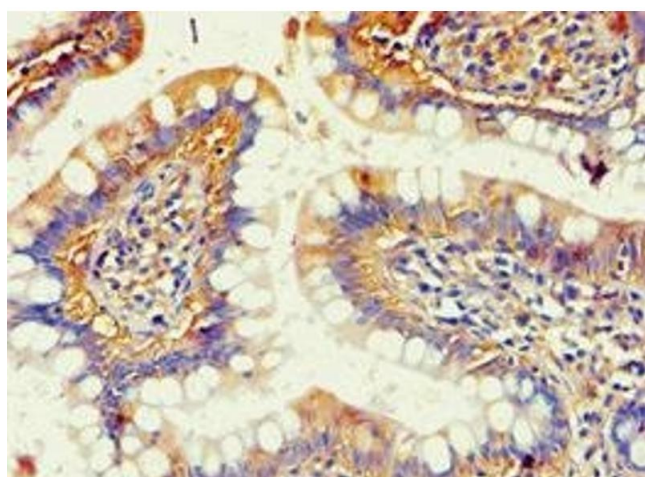
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7143685 at dilution of 1:100



### Western Blotting

**Image 2.** Western blot All lanes: AKR1B10 antibody at 4  $\mu$ g/mL + A549 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 36 kDa Observed band size: 36 kDa



### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7143685 at dilution of 1:100