

Datasheet for ABIN389204  
**anti-AKR1A1 antibody (C-Term)**

## 3 Images

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## Overview

Quantity:	400 µL
Target:	AKR1A1
Binding Specificity:	AA 293-325, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This AKR1A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 293-325 amino acids from the C-terminal region of human AKR1A1.
Clone:	RB15230
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	AKR1A1
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## Target Details

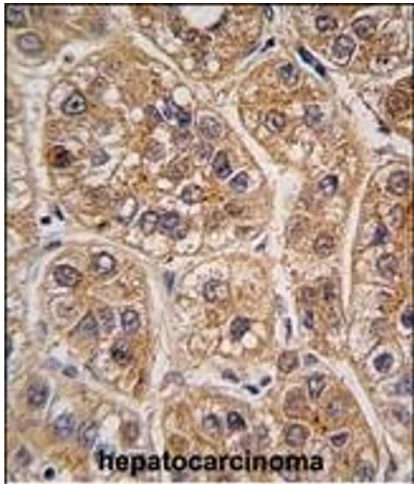
Alternative Name:	AKR1A1 ( <a href="#">AKR1A1 Products</a> )
Background:	AKR1A1 is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue.
Molecular Weight:	36573
Gene ID:	10327
NCBI Accession:	<a href="#">NP_001189342</a> , <a href="#">NP_001189343</a> , <a href="#">NP_006057</a> , <a href="#">NP_697021</a>
UniProt:	<a href="#">P14550</a>
Pathways:	<a href="#">Monocarboxylic Acid Catabolic Process</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

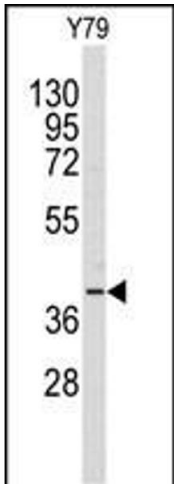
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



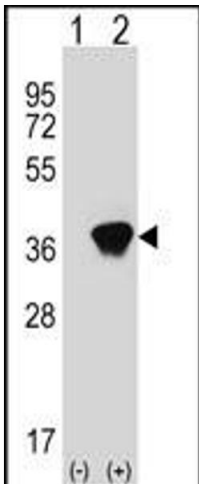
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with AKR1A1 antibody (C-term) (ABIN389204 and ABIN2837921) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

**Image 2.** Western blot analysis of anti-AKR1A1 Antibody (C-term) (ABIN389204 and ABIN2837921) in Y79 cell line lysates (35 µg/lane). AKR1A1 (arrow) was detected using the purified Pab.



Western Blotting

**Image 3.** Western blot analysis of AKR1A1 (arrow) using rabbit polyclonal AKR1A1 Antibody (C-term) (ABIN389204 and ABIN2837921). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the AKR1A1 gene.