

For Research Use Only

# AKR1B1 Polyclonal antibody

Catalog Number: 15439-1-AP

Featured Product

13 Publications



## Basic Information

### Catalog Number:

15439-1-AP

### Size:

150ul, Concentration: 280 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7142

### GenBank Accession Number:

BC000260

### GeneID (NCBI):

231

### UNIPROT ID:

P15121

### Full Name:

aldo-keto reductase family 1, member B1 (aldose reductase)

### Calculated MW:

36 kDa

### Observed MW:

34 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, rat

### Positive Controls:

WB : A431 cells, L02 cells, human liver tissue, BxPC-3 cells, HepG2 cells, human placenta tissue

IF/ICC : HepG2 cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoyu Zhou	32566101	Oxid Med Cell Longev	WB
Qi Huang	34020251	Biomed Pharmacother	WB
Yang Lu	27036204	BMC Nephrol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

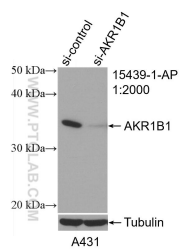
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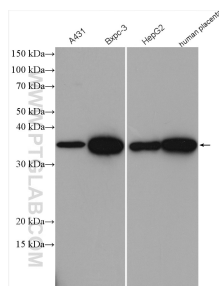
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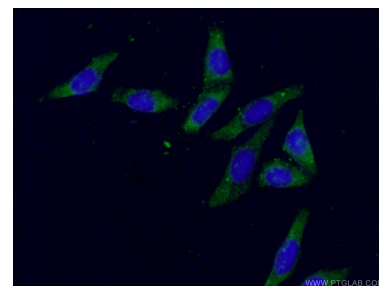
## Selected Validation Data



WB result of AKR1B1 antibody (15439-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AKR1B1 transfected A431 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 15439-1-AP (AKR1B1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 15439-1-AP (AKR1B1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).