

For Research Use Only

# AKR1A1 Polyclonal antibody

Catalog Number: 15054-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**

15054-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG7037

**GenBank Accession Number:**

BC000670

**GeneID (NCBI):**

10327

**UNIPROT ID:**

P14550

**Full Name:**

aldo-keto reductase family 1, member A1 (aldehyde reductase)

**Calculated MW:**

37 kDa

**Observed MW:**

36 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse

**Positive Controls:**

**WB:** HeLa cells, human liver tissue, L02 cells, mouse lung tissue

**IP:** HeLa cells,

**IF:** HeLa cells,

## Background Information

### Notable Publications

| Author             | Pubmed ID | Journal     | Application |
|--------------------|-----------|-------------|-------------|
| Colin T Stomberski | 31649033  | J Biol Chem | WB          |
| Hua-Lin Zhou       | 30487609  | Nature      | WB,IHC,IP   |
| Hua-Lin Zhou       | 37027003  | J Med Chem  | 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

For technical support and original validation data for this product please contact:

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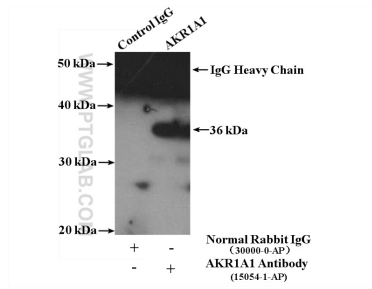
W: ptgcn.com

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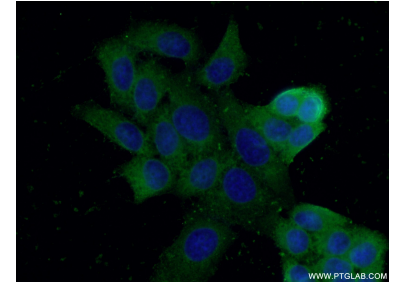
## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 15054-1-AP (AKR1A1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-AKR1A1 (IP:15054-1-AP, 4ug; Detection:15054-1-AP 1:500) with HeLa cells lysate 3200ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15054-1-AP (AKR1A1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).