

For Research Use Only

# AKR1A1 Polyclonal antibody

Catalog Number: 15054-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

15054-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

### 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 1:1000-1:8000

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

IHC 1:500-1:2000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IP

### Species Specificity:

human, mouse, rat

### Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HeLa cells, L02 cells, mouse lung tissue

IP : HeLa cells,

IHC : human thyroid cancer tissue,

IF/ICC : HeLa cells,

## 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

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

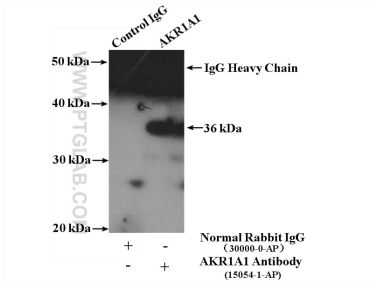
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

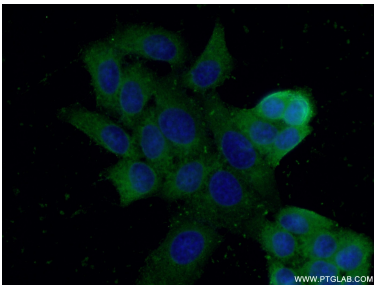
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

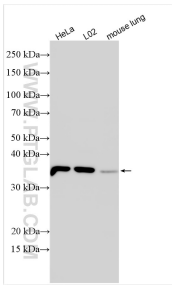
Selected Validation Data



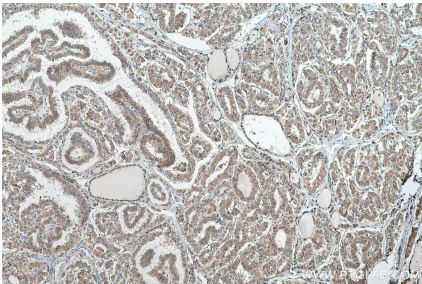
IP result of anti-AKR1A1 (IP:15054-1-AP, 4ug; Detection:15054-1-AP 1:500) with HeLa cells lysate 3200ug.



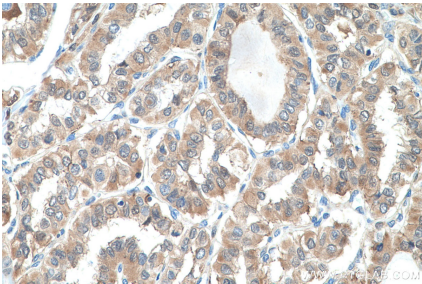
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 15054-1-AP (AKR1A1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 15054-1-AP (AKR1A1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 15054-1-AP (AKR1A1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 15054-1-AP (AKR1A1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).