

For Research Use Only

# ANKRD53 Polyclonal antibody

Catalog Number: 24283-1-AP

1 Publications



## Basic Information

### Catalog Number:

24283-1-AP

### Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15030

### GenBank Accession Number:

BC035234

### GeneID (NCBI):

79998

### UNIPROT ID:

Q8N9V6

### Full Name:

ankyrin repeat domain 53

### Calculated MW:

530 aa, 60 kDa

### Observed MW:

60-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB: HeLa cells, HepG2 cells

IHC: human kidney tissue, mouse testis tissue

IF/ICC: HepG2 cells,

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

## Background Information

ANKRD53 also termed as ankyrin repeat domain 53 is a 533 amino-acid protein, which contains three ANK repeats and belongs to ankyrin family. The function of ANKRD53 is still non-known and need to be further studied. Ankyrins are membrane adaptor molecules that play important roles in coupling integral membrane proteins to the spectrin-based cytoskeleton network.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chunjing Jin	38801557	Discov Oncol	

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

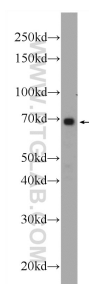
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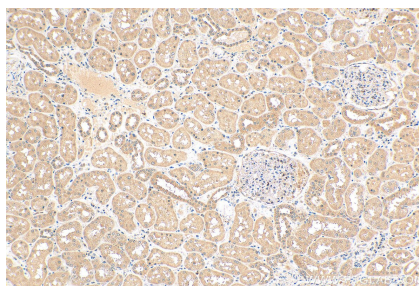
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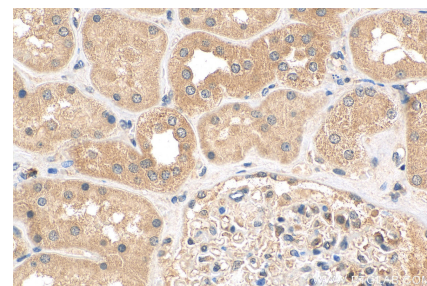
## Selected Validation Data



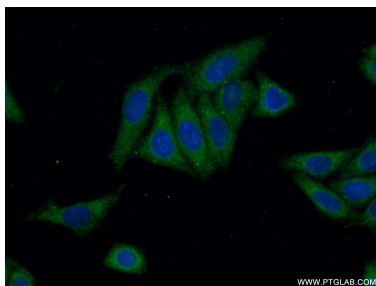
HeLa cells were subjected to SDS PAGE followed by western blot with 24283-1-AP (ANKRD53 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24283-1-AP (ANKRD53 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24283-1-AP (ANKRD53 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 24283-1-AP (ANKRD53 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).