**CTNNA3 Polyclonal ANTIBODY**

**Catalog Number:** 13974-1-AP  
**Featured Product**  
**5 Publications**

## Basic Information

**Catalog Number:** 13974-1-AP  
**Size:** 44 μg/150 μl  
**Source:** Rabbit  
**Isotype:** IgG  
**Purification Method:** Antigen affinity purification  
**Immunogen Catalog Number:** AG5008  
**GenBank Accession Number:** BC030646  
**GeneID (NCBI):** 2919  
**Full Name:** catenin (cadherin-associated protein), alpha 3  
**Calculated MW:** 100 kDa  
**Observed MW:** 100 kDa

## Applications

**Tested Applications:** IF, IHC, IP, WB, ELISA  
**Cited Applications:** IF, WB  
**Species Specificity:** human, mouse  
**Cited Species:** human, mouse  

### Recommended Dilutions:
- **WB:** 1:500-1:3000  
- **IP:** 0.5-4.0 μg for IP and 1:500-1:3000 for WB  
- **IHC:** 1:200-1:200  
- **IF:** 1:200

### Positive Controls:
- **WB:** mouse testis tissue; HEK-293  
- **IP:** mouse testis tissue;  
- **IHC:** human liver cancer tissue; human heart tissue  
- **IF:** HepG2 cells;

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

## Background Information

### Notable Publications

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<th>Author</th>
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<tr>
<td>Aviva J Goel</td>
<td>30178110</td>
<td>Methods Mol Biol</td>
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<td>Jifen Li</td>
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<td>Alexia Vite</td>
<td>2546724B</td>
<td>Development</td>
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## 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

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For technical support and original validation data for this product please contact:  
T: 1 (888) 478-4522 (toll free in USA), or (312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

WB result of CTNNA3 antibody (13974-1-AP, 1:500) with si-Control and si-CTNNA3 transfected HEK293 cells.

Mouse testis tissue were subjected to SDS PAGE followed by western blot with 13974-1-AP (CTNNA3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.

Immunohistochemical of paraffin-embedded human liver cancer using 13974-1-AP (CTNNA3 antibody) at dilution of 1:100 (under 10x lens).

Immunohistochemical of paraffin-embedded human liver cancer using 13974-1-AP (CTNNA3 antibody) at dilution of 1:100 (under 40x lens).

Immunofluorescent analysis of HepG2 cells, using CTNNA3 antibody 13974-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).

IP Result of anti-CTNNA3 (IP:13974-1-AP, 5ug; Detection:13974-1-AP 1:1500) with mouse testis tissue lysate 4000ug.