### Basic Information

**Catalog Number:** 20466-1-AP  
**Source:** Rabbit  
**Isotype:** IgG  
**Purification Method:** Antigen affinity purification  
**Immunogen Catalog Number:** AG14302  
**GenBank Accession Number:** BC008765  
**GeneID (NCBI):** 64423  
**Full Name:** Inverted formin, FH2 and WH2 domain containing  
**Calculated MW:** 1249aa, 136 kDa  
**Observed MW:** 180-200 kDa  
**Recommended Dilutions:**  
- **WB:** 1:1000-1:4000  
- **IP:** 0.5-4.0 μg for IP and 1:1000-1:4000 for WB  
- **IHC:** 1:200  
- **IF:** 1:20-1:200

### Applications

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

**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

INF2 is a member of the formin family of actin-regulating proteins. INF2 is peripherally bound to the cytoplasmic face of the endoplasmic reticulum (ER). Mutations in the formin gene INF2 cause focal segmental glomerulosclerosis. The predicted MW of INF2 is around 136 kDa, while higher molecular mass from 140-200 kDa has been reported in literature (26383224, 20493814, 19366733).

### Notable Publications

<table>
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<tr>
<th>Author</th>
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<tbody>
<tr>
<td>Zhanwei Zhang</td>
<td>30267803</td>
<td>Int J Biochem Cell Biol</td>
<td>WB</td>
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<tr>
<td>Hiroshi Tamura</td>
<td>20363224</td>
<td>Nephrology (Carlton)</td>
<td>WB, IF</td>
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<tr>
<td>Hao Zhao</td>
<td>30268449</td>
<td>J Mol Histol</td>
<td>IF</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) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(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.
A431 cells were subjected to SDS PAGE followed by western blot with 20466-1-AP(INF2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human kidney using 20466-1-AP(INF2 antibody) at dilution of 1:100 (under 10x lens)

Immunohistochemical analysis of paraffin-embedded human kidney using 20466-1-AP(INF2 antibody) at dilution of 1:100 (under 40x lens)

IP Result of anti-INF2 (IP:20466-1-AP, 4ug; Detection:20466-1-AP 1:500) with NIH/3T3 cells lysate 4000ug.

Immunofluorescent analysis of (-20 Ethanol) fixed NIH/3T3 cells using 20466-1-AP(INF2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)