

For Research Use Only

# HRD1/SYVN1 Polyclonal antibody

Catalog Number: 13473-1-AP

Featured Product

50 Publications



## Basic Information

**Catalog Number:**

13473-1-AP

**Size:**

850 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4267

**GenBank Accession Number:**

BC030530

**GeneID (NCBI):**

84447

**UNIPROT ID:**

Q86TM6

**Full Name:**

synovial apoptosis inhibitor 1,  
synoviolin

**Calculated MW:**

617 aa, 68 kDa

**Observed MW:**

68-76 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

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

IHC 1:50-1:500

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

CoIP, IF, IHC, IP, IP-MS, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, 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:** HEK-293 cells, HepG2 cells, NIH/3T3 cells, Raji  
cells, mouse pancreas tissue, MDA-MB-453s cells,  
mouse ovary tissue, mouse kidney tissue, mouse  
stomach tissue, rat stomach tissue, HeLa cells

**IP:** mouse kidney tissue,

**IHC:** human kidney tissue,

**IF:** HepG2 cells,

## Background Information

HRD1 is also named as SYVN1 (Synovial apoptosis inhibitor 1), KIAA1810. It acts as an E3 ubiquitin-protein ligase which accepts ubiquitin specifically from endoplasmic reticulum-associated UBC7 E2 ligase and transfers it to substrates, promoting their degradation. Two distinct binding sites mediate Hrd1 dimerization or oligomerization, one located within the transmembrane region and another within the cytosolic domain. (PMID:19864457). Western blot analysis detected abundant HRD1 expression in liver and kidney. Mouse liver and spleen expressed Hrd1 as an 85-kD protein (PMID:12646171).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chih-Hang Anthony Tang	32999453	Cell Mol Immunol	WB
Yu Sun	34562065	J Cell Mol Med	WB
Yu-Jie Chen	34645803	Nat Commun	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:

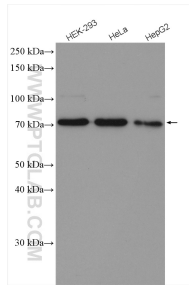
T: 4006900926

E: Proteintech-CN@ptglab.com

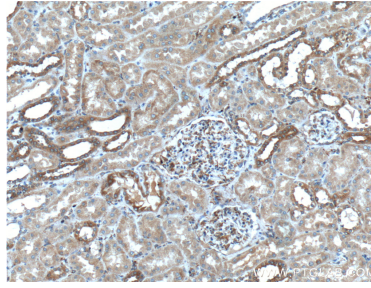
W: ptgcn.com

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

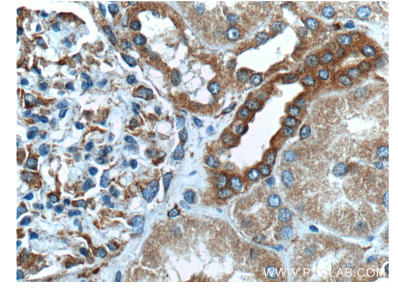
## Selected Validation Data



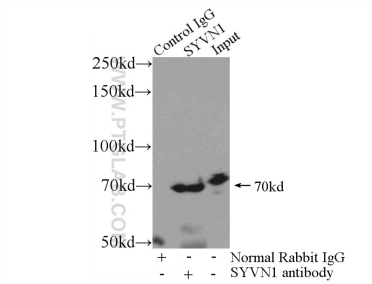
Various lysates were subjected to SDS PAGE followed by western blot with 13473-1-AP (SYVN1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



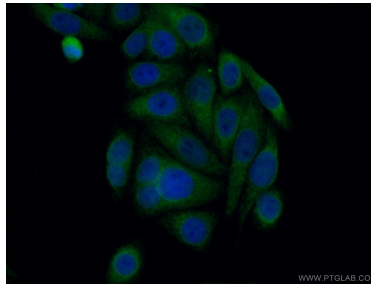
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13473-1-AP (SYVN1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 13473-1-AP (SYVN1 antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-HRD1/SYVN1 (IP:13473-1-AP, 4ug; Detection:13473-1-AP 1:1000) with mouse kidney tissue lysate 7200ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 13473-1-AP (SYVN1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).