

## SYVN1 Polyclonal Antibody

Catalog number: 13473-1-AP

Size: 28 µg/150 µl

Source: Rabbit

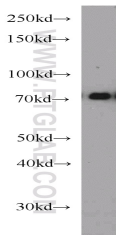
Isotype: IgG

Synonyms:

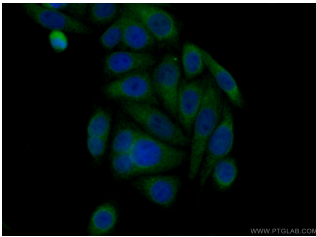
SYVN1; HRD1, KIAA1810,

Synovial apoptosis inhibitor 1,

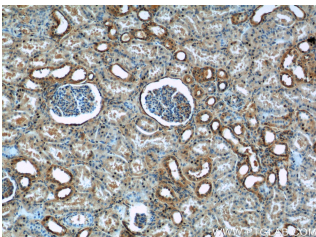
SYVN1



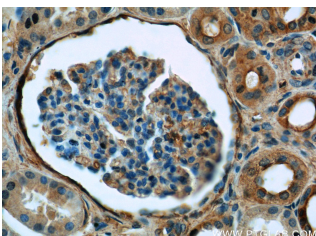
HEK-293 cells were subjected to SDS PAGE followed by western blot with 13473-1-AP(HRD1 antibody) at dilution of 1:1000



Immunofluorescent analysis of ( 10% Formaldehyde ) fixed HepG2 cells using 13473-1-AP( HRD1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human kidney tissue slide using 13473-1-AP( HRD1 Antibody) at dilution of 1:50 (under 10x lens)



### Background

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).

### Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated SYVN1 MW:	617aa, 68 kDa
Observed SYVN1 MW:	68-76 kDa
Positive WB detected in	HEK-293 cells, HepG2 cells, MDA-MB-453s cells, mouse kidney tissue, mouse ovary tissue, mouse pancreas tissue, mouse stomach tissue, NIH/3T3 cells, Raji cells, rat stomach tissue
Positive IP detected in	Mouse kidney tissue
Positive IHC detected in	Human kidney tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:50-1:500

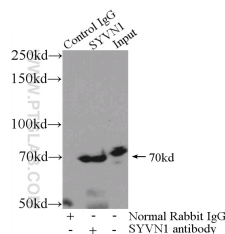
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4267
GenBank accession number:	BC030530
Gene ID (NCBI):	84447
Full name:	Synovial apoptosis inhibitor 1, synoviolin

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



Immunohistochemistry of  
paraffin-embedded human  
kidney tissue slide using  
13473-1-AP( HRD1 Antibody)  
at dilution of 1:50 (under 40x  
lens)

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