



Rabbit Anti-SYVN1 antibody

SL0679R

Product Name:	SYVN1
Chinese Name:	滑膜Apoptosis抑制物1抗体
Alias:	1200010C09Rik; HRD1; KIAA1810; MGC40372; Synovial apoptosis inhibitor 1 synoviolin; Synoviolin 1 isoform b; SYVN1_HUMAN; DER3; E3 ubiquitin-protein ligase synoviolin; HMG coA reductase degradation 1 homolog; OTTHUMP00000230429; OTTHUMP00000230430; OTTHUMP00000230431; OTTHUMP00000230432; Synovial apoptosis inhibitor 1; Synoviolin 1 isoform b; SYNOVIOLIN; SYVN1.
文献引用 PubMed :	<p>Specific References(2) SL0679R has been referenced in 2 publications.</p> <p>[IF=4.65]Zemoura, Khaled, et al. "Endoplasmic Reticulum Associated Degradation (ERAD) Controls Cell Surface Expression of GABAB Receptors." Journal of Biological Chemistry (2013): jbc-M113.Human. PubMed:24114844</p> <p>[IF=1.89]Yan, Shu, et al. "Expression of endoplasmic reticulum stress-related factors in the retinas of diabetic rats." Experimental diabetes research 2012 (2011).Rat. PubMed:21904541</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=3µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	65kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid

Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SYVN1:531-617/617
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This gene encodes a protein involved in endoplasmic reticulum (ER)-associated degradation. The encoded protein removes unfolded proteins, accumulated during ER stress, by retrograde transport to the cytosol from the ER. This protein also uses the ubiquitin-proteasome system for additional degradation of unfolded proteins. Sequence analysis identified two transcript variants that encode different isoforms. [provided by RefSeq, May 2011]</p> <p>Function: 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. Component of the endoplasmic reticulum quality control (ERQC) system also called ER-associated degradation (ERAD) involved in ubiquitin-dependent degradation of misfolded endoplasmic reticulum proteins. Also promotes the degradation of normal but naturally short-lived proteins such as SGK. Protects cells from ER stress-induced apoptosis. Protects neurons from apoptosis induced by polyglutamine-expanded huntingtin (HTT) or unfolded GPR37 by promoting their degradation. Sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis.</p> <p>Subunit: Homodimer. Interacts with p53/TP53 and HTT. Interacts with VCP, HERPUD1 and DERL1. Part of a complex containing SYVN1, HERPUD1, SELS and DERL1; which probably transfer misfolded proteins from the ER to VCP. Part of a complex containing SYVN1, SEL1L and DERL2. Interacts with UBXN6. Interacts with SEL1L; recruits ERLEC1 and OS9. May form a complex with ERLEC1; HSPA5; OS9 AND SEL1L.</p> <p>Subcellular Location: Endoplasmic reticulum membrane; Multi-pass membrane protein.</p> <p>Tissue Specificity: Ubiquitously expressed, with highest levels in liver and kidney (at protein level). Up-regulated in synovial tissues from patients with rheumatoid arthritis (at protein level).</p> <p>Post-translational modifications: Not N-glycosylated.</p>

Auto-ubiquitinated.

Similarity:

Belongs to the HRD1 family.
Contains 1 RING-type zinc finger.

SWISS:

Q86TM6

Gene ID:

84447

Database links:

[Entrez Gene: 84447](#)Human

[Entrez Gene: 74126](#)Mouse

[Entrez Gene: 361712](#)Rat

[Omim: 608046](#)Human

[SwissProt: Q86TM6](#)Human

[SwissProt: Q9DBY1](#)Mouse

[Unigene: 75859](#)Human

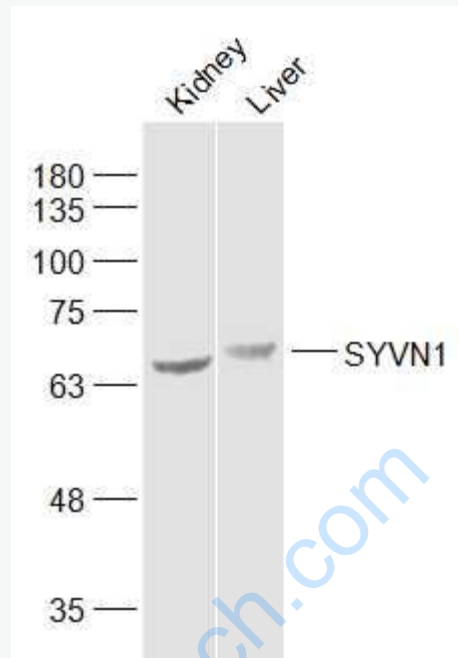
[Unigene: 149870](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

与关节滑膜的损伤有关。

Picture:



Sample:

Kidney (Mouse) Lysate at 40 ug

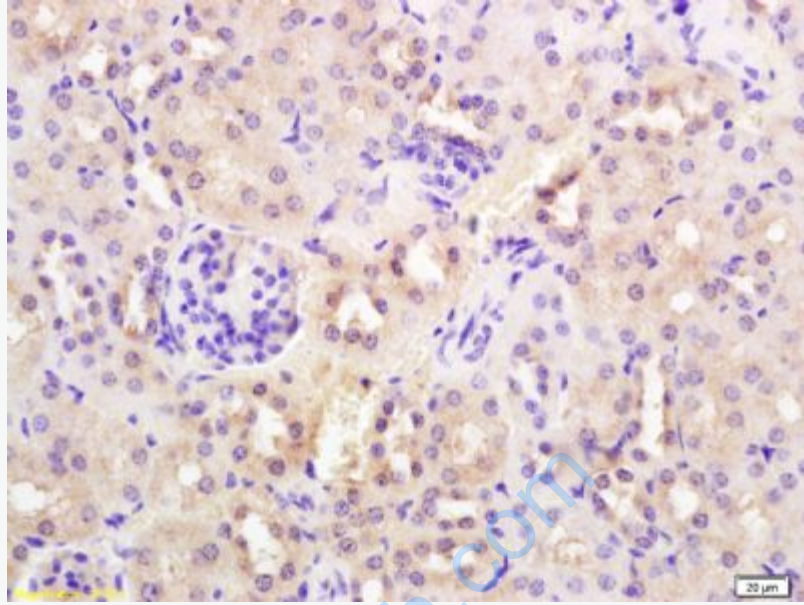
Liver (Mouse) Lysate at 40 ug

Primary: Anti-SYVN1 (SL0679R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 65 kD

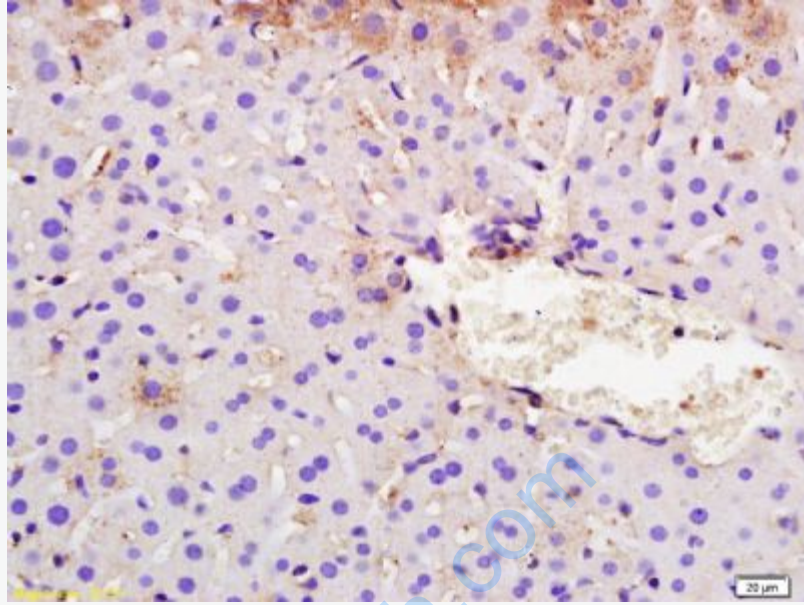
Observed band size: 65/70 kD



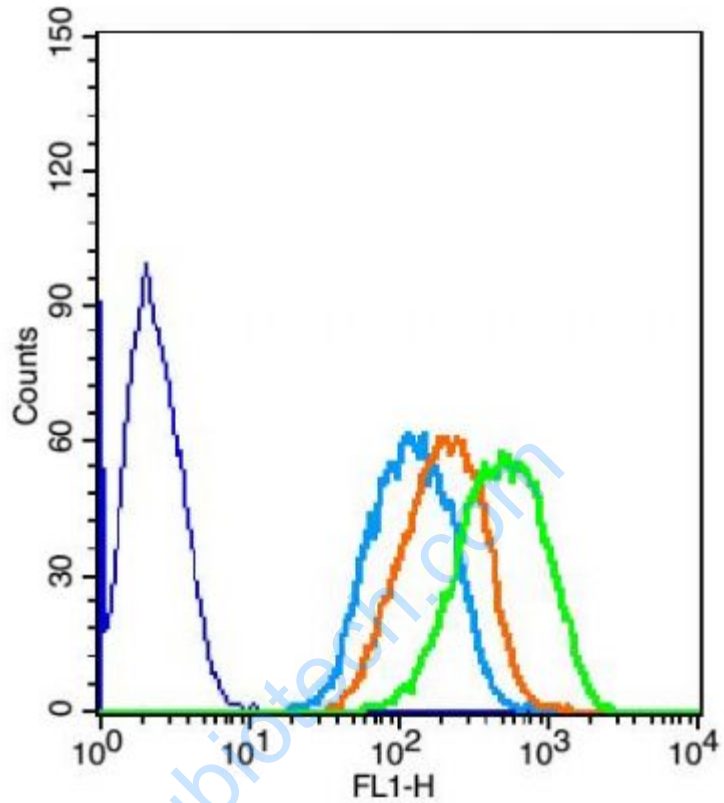
Tissue/cell: mouse kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-SYVN1/HRD1 Polyclonal Antibody, Unconjugated(SL0679R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: mouse liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
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The figure annotation:

The blue histogram is unstained cells.

The Wathet Blue histogram is cells stained with secondary antibody (SL0679R) alone.

The Orange histogram is cells stained with rabbit IgG isotype control antibody(SL0679R)plus secondary antibody.

The green histogram is cells stained with Rabbit Anti-SYVN1 antibody (SL0679R) plus secondary antibody.

Positive control: Hepg2 cells

Concentration: 1:50