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## Datasheet for ABIN671811 anti-SYVN1 antibody (AA 531-617)

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## Overview

Quantity:	100 µL
Target:	SYVN1
Binding Specificity:	AA 531-617
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SYVN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SYVN1
Isotype:	lgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow
Purification:	Purified by Protein A.
Target Details	
Target:	SYVN1

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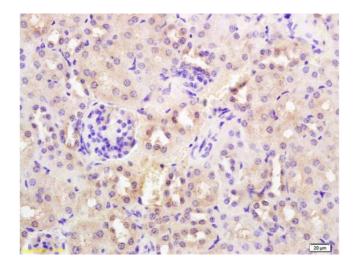
Target Details	
Alternative Name:	SYVN1 (SYVN1 Products)
Background:	Synonyms: DER3, HRD1, E3 ubiquitin-protein ligase synoviolin, Synovial apoptosis inhibitor 1,
	SYVN1, KIAA181
	Background: Acts as an E3 ubiquitin-protein ligase which accepts ubiquitin specifically from
	endoplasmic reticulum-associated 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.
Gene ID:	84447
UniProt:	Q86TM6
Pathways:	ER-Nucleus Signaling, Negative Regulation of intrinsic apoptotic Signaling
Application Details	

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

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-	
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Yang, He, Ma, Zhang, Zhu, Wan, Wang, Wang, Liu, Li: "Experimental study of the protective
	effects of SYVN1 against diabetic retinopathy." in: Scientific reports, Vol. 5, pp. 14036, (2016) (
	PubMed).
	Zemoura, Schenkel, Acuña, Yévenes, Zeilhofer, Benke: "Endoplasmic reticulum-associated
	degradation controls cell surface expression of ?-aminobutyric acid, type B receptors." in: <b>The</b>
	Journal of biological chemistry, Vol. 288, Issue 48, pp. 34897-905, (2013) (PubMed).
	Yan, Zheng, Chen, Liu, Li, Hu, Pei, Li: "Expression of endoplasmic reticulum stress-related
	factors in the retinas of diabetic rats." in: Experimental diabetes research, Vol. 2012, pp.
	743780, (2011) (PubMed).

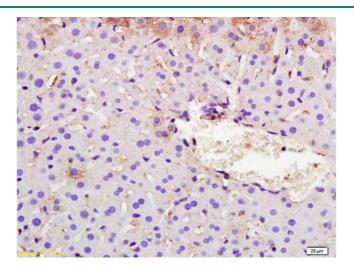
## Images



### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded mouse kidney labeled with Rabbit Anti SYVN1/HRD1 Polyclonal Antibody, Unconjugated (ABIN671811) at 1:200 followed by conjugation to the secondary antibody and DAB staining

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#### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded mouse liver labeled with Rabbit Anti SYVN1/HRD1 Polyclonal Antibody, Unconjugated (ABIN671811) at 1:200 followed by conjugation to the secondary antibody and DAB staining

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