

Rabbit SYVN1 Polyclonal Antibody | anti-SYVN1 antibody

SYVN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323059	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SYVN1; Polyclonal Antibody; SYVN1 Antibody; 1200010C09Rik; DER3; E3 ubiquitin-protein ligase synoviolin; HMG coA reductase degradation 1 homolog; HRD1; KIAA1810; MGC40372; OTTHUMP00000230429; OTTHUMP00000230430; OTTHUMP00000230431; OTTHUMP00000230432; Synovial apoptosis inhibitor 1; synoviolin; Synoviolin 1 isoform b; SYNOVIOLIN; SYVN1_HUMAN; anti-SYVN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SYVN1 antibody detects endogenous levels of SYVN1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	616
Applicable Applications for anti-SYVN1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SYVN1.
Subcellular Location	Endoplasmic Reticulum Membrane.
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).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of rat stomach tissue, using SYVN1 antibody.



IHC (Immunohistochemistry)

AAA323059 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from rat heart, using SYVN1 antibody. Lane 1 was treated with the blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SYVN1 antibody

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 (PubMed:12459480, PubMed:12646171, PubMed:12975321, PubMed:14593114, PubMed:16289116, PubMed:16847254, PubMed:17059562, PubMed:17141218, PubMed:17170702, PubMed:22607976, PubMed:26471130). 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 (PubMed:12459480, PubMed:12646171, PubMed:12975321, PubMed:14593114, PubMed:16289116, PubMed:16847254, PubMed:17059562, PubMed:17141218, PubMed:17170702, PubMed:22607976, PubMed:26471130). 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 (PubMed:17141218). Sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis (PubMed:17170702). Mediates the ubiquitination and subsequent degradation of cytoplasmic NFE2L1 (By similarity).

Subunit Structure: Homodimer. Interacts with p53/TP53 and HTT. Interacts with VCP, HERPUD1 and DERL1. Part of a complex containing SYVN1, HERPUD1, VIMP 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 (via N-terminal loop) with SEL1L; recruits ERLEC1 and OS9. May form a complex with ERLEC1; HSPA5; OS9 AND SEL1L (PubMed:16186509, PubMed:16186510, PubMed:16289116, PubMed:17141218, PubMed:17170702, PubMed:18264092, PubMed:18502753, PubMed:18656546, PubMed:26471130). Interacts with BAG6 (PubMed:21636303). Interacts with NFE2L1 (By similarity).

Post-translational Modifications: Not N-glycosylated. Auto-ubiquitinated.

Similarity: The RING-type zinc finger is required for E3 ligase activity. Belongs to the HRD1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436925
NCBI GeneID	84447
NCBI Accession #	NP_115807.1
NCBI GenBank Nucleotide #	NM_032431.2
UniProt Accession #	Q86TM6; Q8N3K3; Q8N6E8; Q96JL5; Q96PK3
Molecular Weight	Observed: 68-76 kDa Predicted: 68 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase synoviolin isoform a

NCBI Official Synonym Full Names	synoviolin 1
NCBI Official Symbol	SYVN1
NCBI Official Synonym Symbols	DER3; HRD1
NCBI Protein Information	E3 ubiquitin-protein ligase synoviolin
UniProt Protein Name	E3 ubiquitin-protein ligase synoviolin
UniProt Gene Name	SYVN1
UniProt Synonym Gene Names	HRD1; KIAA1810

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/syvn1-antibody-immunohistochemistry-western-blot-elisa/323059>