

Rabbit anti-Human, mouse SYVN1 (HRD1) Polyclonal Antibody | anti-SYVN1 antibody

SYVN1 (HRD1) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28764	Rabbit	Human, mouse	Immunofluorescence, ELISA, Immunohistochemistry, Western Blot

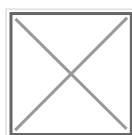
PRODUCT SYNONYMS

SYVN1 (HRD1); Polyclonal Antibody; SYVN1 (HRD1) Antibody (C-term); E3 ubiquitin-protein ligase synoviolin; 632-; Synovial apoptosis inhibitor 1; SYVN1; HRD1; KIAA1810; anti-SYVN1 antibody

PRODUCT SPECIFICATIONS

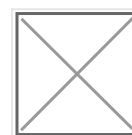
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SYVN1 (HRD1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 586-617 amino acids from the C-terminal region of human SYVN1 (HRD1).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	586-617
Sequence Length	616
Applicable Applications for anti-SYVN1 antibody	IF (Immunofluorescence), ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF~~~1:200 WB~~~1:1000
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraaffin-embedded human Liver tissue reacted with SYVN1 (HRD1) Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohistochemistry)

Formalin-fixed and paraaffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-HRD1 Pab is used in Western blot to detect HRD1 in mouse kidney tissue lysate.



WB (Western Blot)

Western blot analysis of SYVN1 (HRD1) Antibody (C-term) in T47D cell line lysates (35ug/lane). HRD1 (arrow) was detected using the purified Pab.



WB (Western Blot)

Mouse Neuroblastoma Neuro2A (N2A) was transiently transfected, collected at 72h after transfection. Primary antibodies against syvn1 (# AAA28764, 1:1000) and anti-rabbit secondary POD-conjugated antibodies from Pierce Biotechnology, Inc (Rockford, IL, 1:2000)(Provided by Dr. Susana Granell & Institution University of Arkansas).



IF (Immunofluorescence)

Fluorescent confocal image of HeLa cells stained with SYVN1 (HRD1) (C-term) antibody. HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA28764 SYVN1 (HRD1) (C-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min).

ADDITIONAL INFORMATION

Related Product Information for anti-SYVN1 antibody	HRD1 is a ubiquitin ligase whose expression is induced by the unfolded protein response (UPR) following endoplasmic reticulum stress. Expression of HRD1 protects cells from apoptosis by inducing degradation of abnormally processed proteins that accumulate in the endoplasmic reticulum. HRD1 is expressed in many tissues, strongly expressed in brain, pancreas, liver, kidney and skeletal muscle. Amano T, et al. reported that Synoviolin/Hrd1 (expressed in rheumatoid synovium) is a novel causative factor for arthropathy by triggering synovial cell outgrowth through its antiapoptotic effects. HRD1 contains one ring-type zinc finger.
Product Categories/Family for anti-SYVN1 antibody	Cell Biology ; Signal transduction
References	References for protein: 1.Kaneko M, FEBS Lett. 2002. 532: 147-152. 2.Amano T, et al. Genes Dev. 2003. 17: 2436-2449. References for HeLa cell line: 1. Scherer WF, Syverton JT, Gey GO (May 1953). "Studies on the propagation in vitro of poliomyelitis viruses. IV. Viral multiplication in a stable strain of human malignant epithelial cells (strain HeLa) derived from an epidermoid carcinoma of the cervix". J. Exp. Med. 97 (5): 695-710. [PubMed:13052828]. 2. Macville M, Schröck E, Padilla-Nash H, Keck C, Ghadimi BM, Zimonjic D, Popescu N, Ried T (January 1999). "Comprehensive and definitive molecular cytogenetic characterization of HeLa cells by spectral karyotyping". Cancer Res. 59 (1): 141-50. [PubMed: 9892199]. 3. Rahbari R, Sheahan T, Modes V, Collier P, Macfarlane C, Badge RM (April 2009). "A novel L1 retrotransposon marker for HeLa cell line identification". BioTechniques 46 (4): 277-84. [PubMed: 19450234]. 4. Capes-Davis A, Theodosopoulos G, Atkin I, Drexler HG, Kohara A, MacLeod RA, Masters JR, Nakamura Y, Reid YA, Reddel RR, Freshney RI (July 2010). "Check your cultures! A list of cross-contaminated or misidentified cell lines". Int. J. Cancer 127 (1): 1-8. [PubMed:20143388].

NCBI AND UNIPROT INFORMATION

NCBI GI #	27436925
NCBI GeneID	84447
NCBI Accession #	NP_115807.1 ; NP_757385.1
NCBI GenBank Nucleotide #	NM_032431.2
UniProt Accession #	Q86TM6 ; Q8N3K3 ; Q8N6E8 ; Q96JL5 ; Q96PK3
Molecular Weight	67685

NCBI Official Full Name	E3 ubiquitin-protein ligase synoviolin isoform a
NCBI Official Synonym Full Names	synovial apoptosis inhibitor 1, synoviolin
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
UniProt Entry Name	SYVN1_HUMAN

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-hrd1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/28764>