

**SYVN1 / HRD1 Antibody**  
Rabbit mAb  
Catalog # AP93248**Specification**

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**SYVN1 / HRD1 Antibody - Product Information**

Application	WB, FC, ICC, IP
Primary Accession	<a href="#">Q86TM6</a>
Reactivity	Rat
Clonality	Monoclonal

**Other Names**

DER3; E3 ubiquitin-protein ligase synoviolin; HRD1; Synovial apoptosis inhibitor 1; Synoviolin 1; Synoviolin 1 isoform b; SYNOVIOLIN; SYVN1;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	67685 Da

**SYVN1 / HRD1 Antibody - Additional Information**

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human SYVN1 / HRD1</b>
Description	<b>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.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

**SYVN1 / HRD1 Antibody - Protein Information**

**Name** SYVN1

**Synonyms** HRD1, KIAA1810

**Function**

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](http://www.uniprot.org/citations/12459480), PubMed: [12646171](http://www.uniprot.org/citations/12646171), PubMed: [12975321](http://www.uniprot.org/citations/12975321), PubMed: [14593114](http://www.uniprot.org/citations/14593114), PubMed: [16289116](http://www.uniprot.org/citations/16289116), PubMed: [16847254](http://www.uniprot.org/citations/16847254)),

PubMed: <a href="http://www.uniprot.org/citations/17059562" target="\_blank">17059562</a>, PubMed: <a href="http://www.uniprot.org/citations/17141218" target="\_blank">17141218</a>, PubMed: <a href="http://www.uniprot.org/citations/17170702" target="\_blank">17170702</a>, PubMed: <a href="http://www.uniprot.org/citations/22607976" target="\_blank">22607976</a>, PubMed: <a href="http://www.uniprot.org/citations/26471130" target="\_blank">26471130</a>, PubMed: <a href="http://www.uniprot.org/citations/28827405" target="\_blank">28827405</a>). 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: <a href="http://www.uniprot.org/citations/12459480" target="\_blank">12459480</a>, PubMed: <a href="http://www.uniprot.org/citations/12646171" target="\_blank">12646171</a>, PubMed: <a href="http://www.uniprot.org/citations/12975321" target="\_blank">12975321</a>, PubMed: <a href="http://www.uniprot.org/citations/14593114" target="\_blank">14593114</a>, PubMed: <a href="http://www.uniprot.org/citations/16289116" target="\_blank">16289116</a>, PubMed: <a href="http://www.uniprot.org/citations/16847254" target="\_blank">16847254</a>, PubMed: <a href="http://www.uniprot.org/citations/17059562" target="\_blank">17059562</a>, PubMed: <a href="http://www.uniprot.org/citations/17141218" target="\_blank">17141218</a>, PubMed: <a href="http://www.uniprot.org/citations/17170702" target="\_blank">17170702</a>, PubMed: <a href="http://www.uniprot.org/citations/22607976" target="\_blank">22607976</a>, PubMed: <a href="http://www.uniprot.org/citations/26471130" target="\_blank">26471130</a>, PubMed: <a href="http://www.uniprot.org/citations/28842558" target="\_blank">28842558</a>). 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: <a href="http://www.uniprot.org/citations/17141218" target="\_blank">17141218</a>). Sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis (PubMed: <a href="http://www.uniprot.org/citations/17170702" target="\_blank">17170702</a>). Mediates the ubiquitination and subsequent degradation of cytoplasmic NFE2L1 (By similarity). During the early stage of B cell development, required for degradation of the pre-B cell receptor (pre-BCR) complex, hence supporting further differentiation into mature B cells (By similarity).

#### Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

#### Tissue Location

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)

### SYVN1 / HRD1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SYVN1 / HRD1 Antibody - Images