

Goat Anti-SYVN1 Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4216a

Specification

Goat Anti-SYVN1 Antibody (internal region) - Product Information

Application	IHC-P
Primary Accession	Q86TM6
Other Accession	361712(rat) , NP_115807.1 , NP_757385.1
Reactivity	Human
Predicted	Human, Rat
Host	Goat
Clonality	Polyclonal
Concentration	0.5
Calculated MW	67685

Goat Anti-SYVN1 Antibody (internal region) - Additional Information

Gene ID 84447

Other Names

SYVN1; synovial apoptosis inhibitor 1, synoviolin; HRD1; KIAA1810; MGC40372; synoviolin 1

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-RALEGHERQHLE, from the internal region of the protein sequence according to [NP_115807.1](#); [NP_757385.1](#).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-SYVN1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-SYVN1 Antibody (internal region) - 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: [17059562](http://www.uniprot.org/citations/17059562), PubMed: [17141218](http://www.uniprot.org/citations/17141218), PubMed: [17170702](http://www.uniprot.org/citations/17170702), PubMed: [22607976](http://www.uniprot.org/citations/22607976), PubMed: [26471130](http://www.uniprot.org/citations/26471130), PubMed: [28827405](http://www.uniprot.org/citations/28827405)). 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](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: [17059562](http://www.uniprot.org/citations/17059562), PubMed: [17141218](http://www.uniprot.org/citations/17141218), PubMed: [17170702](http://www.uniprot.org/citations/17170702), PubMed: [22607976](http://www.uniprot.org/citations/22607976), PubMed: [26471130](http://www.uniprot.org/citations/26471130), PubMed: [28842558](http://www.uniprot.org/citations/28842558)). 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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/17170702)). 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)

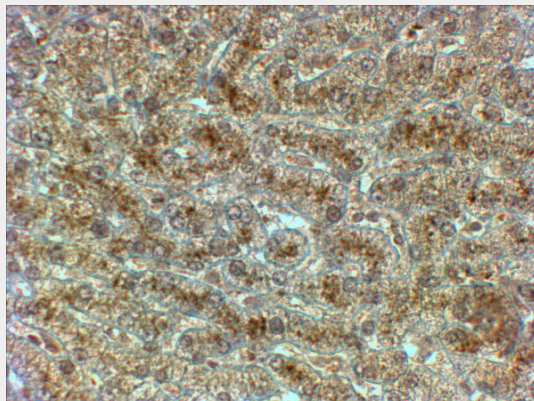
Goat Anti-SYVN1 Antibody (internal region) - Protocols

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](#)

Goat Anti-SYVN1 Antibody (internal region) - Images



AF4216a (2 $\mu\text{g/ml}$) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

Goat Anti-SYVN1 Antibody (internal region) - References

[Possible involvement of HRD1 (ubiquitin E3 ligase) in neurodegenerative diseases] Kaneko M, Nippon yakurigaku zasshi. Folia pharmacologica Japonica 2009 May 133 (5): 252-6.