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Anti-SYVN1 / HRD1 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18596

Specification

Anti-SYVN1 / HRD1 Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q86TM6
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**67685**

Anti-SYVN1 / HRD1 Antibody - Additional Information

Gene ID 84447

Alias Symbol	**SYVN1**

Other Names
SYVN1, KIAA1810, Synoviolin, Synovial apoptosis inhibitor 1, DER3, HRD1

Target/Specificity
Human SYVN1 / HRD1

Reconstitution & Storage
Affinity purified

Precautions
Anti-SYVN1 / HRD1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-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, PubMed:12646171, PubMed:12975321, PubMed:14593114, PubMed:16289116, PubMed:16847254, PubMed:17059562,

PubMed:17141218, PubMed:17170702, PubMed:22607976, PubMed:26471130, PubMed: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, PubMed:12646171, PubMed:12975321, PubMed:14593114, PubMed:16289116, PubMed:16847254, PubMed:17059562, PubMed:17141218, PubMed:17170702, PubMed:22607976, PubMed:26471130, PubMed: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). 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). 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)

Anti-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 Cytomety
- Cell Culture

Anti-SYVN1 / HRD1 Antibody - Images