

HRD1/SYVN1 Rabbit pAb

CatalogNo: YN5764

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 68kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human HRD1/SYVN1

Specificity This antibody detects endogenous levels of HRD1/SYVN1 at Human, Mouse

Target Information

Gene name SYVN1 HRD1 KIAA1810

Protein Name E3 ubiquitin-protein ligase synoviolin (Synovial apoptosis inhibitor 1)

Organism	Gene ID	UniProt ID
Human	84447 ;	Q86TM6 ;
Mouse	74126 ;	Q9DBY1 ;

Cellular Localization Endoplasmic reticulum membrane ; Multi-pass membrane protein .

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).

Function E3 ubiquitin-protein ligase which accepts ubiquitin specifically from endoplasmic reticulum-associated UBC7 E2 ligase and transfers it to substrates, promoting their degradation . 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 . 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 . Sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis . 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).

| Validation Data

| Contact information

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HRD1/SYVN1 Rabbit pAb

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