

Anti-SYVN1/HRD1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

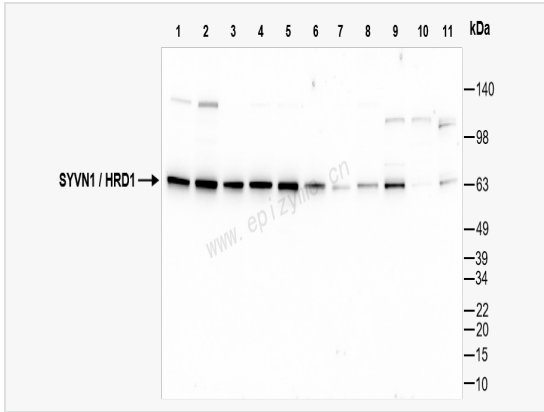
Catalog # R015002

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	40M82P85
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human SYVN1 / HRD1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-SYVN1/HRD1 Rabbit mAb [40M82P85] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	1200010C09Rik, DER3, E3 ubiquitin-protein ligase synoviolin, HMG coA reductase degradation 1 homolog, HRD1, KIAA1810, MGC40372, OTTHUMP00000230429, OTTHUMP00000230430, OTTHUMP00000230431, OTTHUMP00000230432, Synovial apoptosis inhibitor 1, Synovial apoptosis inhibitor 1, synoviolin, Synoviolin I, Synoviolin 1 isoform b, SYNOVIOLIN, SYVN1, SYVN1_HUMAN.
Calculated MW	Calculated MW: 68 kDa; Observed MW: 65 kDa
Uniprot ID	Q86TM6
Gene ID	84447
Background	This gene encodes a protein involved in endoplasmic reticulum (ER)-associated degradation. The encoded protein removes unfolded proteins, accumulated during ER stress, by retrograde transport to the cytosol from the ER. This protein also uses the ubiquitin-proteasome system for additional degradation of unfolded proteins. Sequence analysis identified two transcript variants that encode different isoforms. [provided by RefSeq, May 2011].
Cellular Location	Endoplasmic reticulum membrane.
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).



Western Blot - Anti-SYVN1/HRD1 Rabbit mAb [40M82P85]

All lanes: R015002 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 5: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

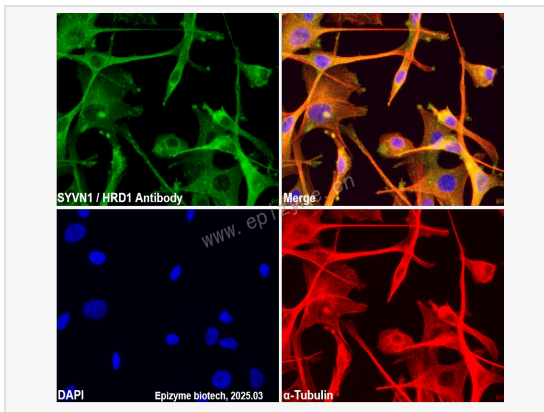
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 68 kDa

Observed band size: 65 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-SYVN1/HRD1 Rabbit mAb [40M82P85]

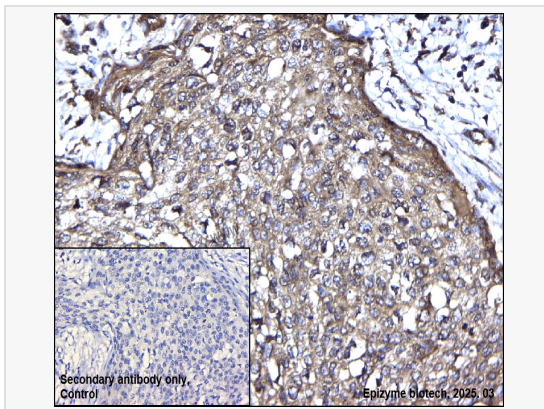
Sample: U87MG cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015002 at 1:100 dilution and α -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-SYVN1/HRD1 Rabbit mAb [40M82P85]

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

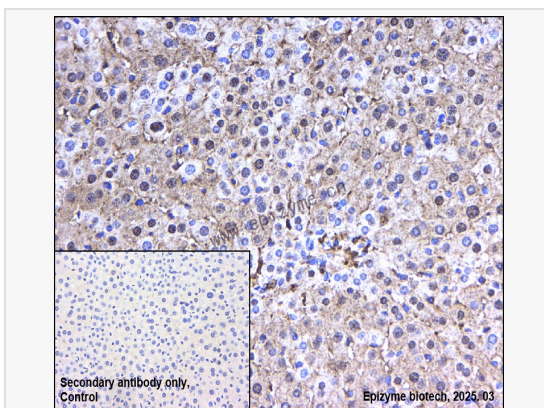
Primary antibody: R015002 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-SYVN1/HRD1 Rabbit mAb [40M82P85]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse liver tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015002 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.

