


## Product datasheet

### Anti-SYVN1/HRD1 antibody [EP7459] ab170901

Recombinant RabMAb

★★★★★ 1 Abreviews 16 References 5 Images

#### Overview

Product name	Anti-SYVN1/HRD1 antibody [EP7459]
Description	Rabbit monoclonal [EP7459] to SYVN1/HRD1
Host species	Rabbit
Tested applications	<b>Suitable for:</b> Flow Cyt (Intra), WB, ICC/IF, IP <b>Unsuitable for:</b> IHC-P
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Synthetic peptide within Human SYVN1/HRD1 aa 150-250 (internal sequence) (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">Q86TM6</a>
Positive control	293T, HepG2, HeLa, Ramos and SH-SY5Y cell lysates, HeLa and 293T cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP7459
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab170901 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

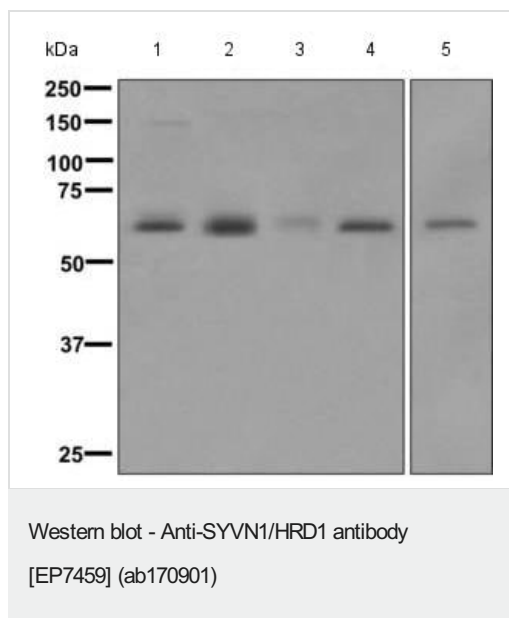
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/1000 - 1/10000. Predicted molecular weight: 67 kDa.
ICC/IF		1/100 - 1/250.
IP		1/10 - 1/100.

**Application notes** Is unsuitable for IHC-P.

## Target

<b>Function</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. 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.
<b>Tissue specificity</b>	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).
<b>Pathway</b>	Protein modification; protein ubiquitination.
<b>Sequence similarities</b>	Belongs to the HRD1 family. Contains 1 RING-type zinc finger.
<b>Domain</b>	The RING-type zinc finger is required for E3 ligase activity.
<b>Post-translational modifications</b>	Not N-glycosylated. Auto-ubiquitinated.
<b>Cellular localization</b>	Endoplasmic reticulum membrane.

## Images



**All lanes :** Anti-SYVN1/HRD1 antibody [EP7459] (ab170901) at 1/1000 dilution

**Lane 1 :** SH-SY5Y cell lysate

**Lane 2 :** 293T cell lysate

**Lane 3 :** Ramos cell lysate

**Lane 4 :** HeLa cell lysate

**Lane 5 :** HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

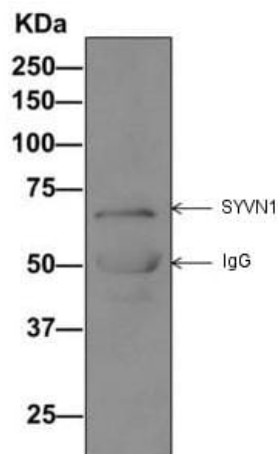
**All lanes :** Standard HRP labeled goat anti-rabbit at 1/2000 dilution

Developed using the ECL technique.

**Predicted band size:** 67 kDa

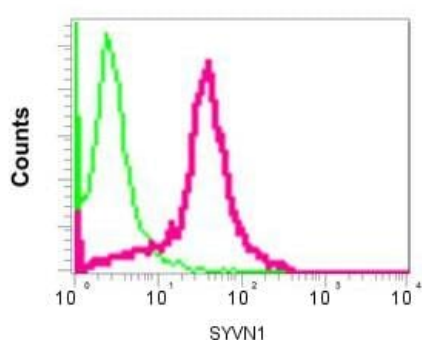


Immunofluorescence analysis of HeLa cells labeling SYVN1/HRD1, using ab170901 at a 1/100 dilution (red), and DAPI nuclear staining (blue).



Western blot analysis on immunoprecipitation pellet from 293T cell lysate, labeling SYVN1/HRD1 using ab170901 at a 1/10 dilution

Immunoprecipitation - Anti-SYVN1/HRD1 antibody [EP7459] (ab170901)



Intracellular Flow Cytometry analysis of permeabilized 293T cells labeling SYVN1/HRD1 (red), using ab170901 at a 1/10 dilution, or a negative control rabbit IgG (green).

Flow Cytometry (Intracellular) - Anti-SYVN1/HRD1 antibody [EP7459] (ab170901)

Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-SYVN1/HRD1 antibody [EP7459] (ab170901)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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