abcam

ab249578

Anti-SYVN1/HRD1 antibody [EP7459] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EP7459
Purification technique	Affinity purification
Concentration	1.022 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-

Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information SYVN1

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:27827840, 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).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab249578 is the carrier-free version of ab170901.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

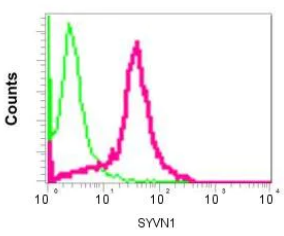
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

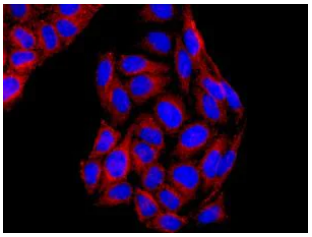
4 product images



Flow Cytometry (Intracellular) - Anti-SYVN1/HRD1 antibody [EP7459] - BSA and Azide free (ab249578)

SYVN1/HRD1 Flow Cytometry (Intracellular) staining using rabbit Anti-SYVN1/HRD1 antibody

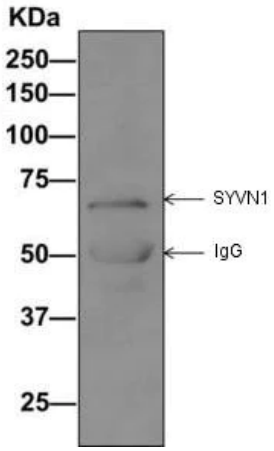
This data was developed using ab170901, the same antibody clone in a different buffer formulation.
Intracellular Flow Cytometry analysis of permeabilized 293T cells labeling SYVN1/HRD1 (red), using ab170901 at a 1/10 dilution, or a negative control rabbit IgG (green).



Immunocytochemistry/ Immunofluorescence - Anti-SYVN1/HRD1 antibody [EP7459] - BSA and Azide free (ab249578)

SYVN1/HRD1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-SYVN1/HRD1 antibody

This data was developed using ab170901, the same antibody clone in a different buffer formulation.
Immunofluorescence analysis of HeLa cells labeling SYVN1/HRD1, using ab170901 at a 1/100 dilution (red), and DAPI nuclear staining (blue).



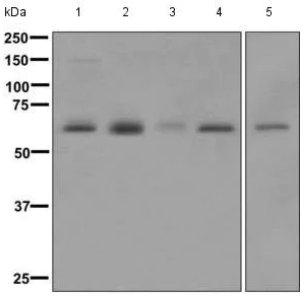
Immunoprecipitation - Anti-SYVN1/HRD1 antibody [EP7459] - BSA and Azide free (ab249578)

This data was developed using ab170901, the same antibody clone in a different buffer formulation.
Western blot analysis on immunoprecipitation pellet from 293T cell lysate, labeling SYVN1/HRD1 using ab170901 at a 1/10 dilution.

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

Developed using the ECL technique.

Predicted band size: 67 kDa



Western blot - Anti-SYVN1/HRD1 antibody [EP7459] - BSA and Azide free (ab249578)

SYVN1/HRD1 Western blot staining using rabbit Anti-SYVN1/HRD1 antibody

This data was developed using ab170901, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-SYVN1/HRD1 antibody [EP7459] (ab170901) at 1/1000 dilution

Lane 1:
SH-SY5Y cell lysate at 10 µg

Lane 2:
293T cell lysate at 10 µg

Lane 3:
Ramos cell lysate at 10 µg

Lane 4:
HeLa cell lysate at 10 µg

Lane 5:
HepG2 cell lysate at 10 µg

Secondary

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

Developed using the ECL technique.

Predicted band size: 67 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.