

## Product datasheet

# Anti-SYVN1 antibody - Carboxyterminal end ab38456

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### 概述

产品名称	Anti-SYVN1抗体- Carboxyterminal end
描述	兔多克隆抗体to SYVN1 - Carboxyterminal end
宿主	Rabbit
特异性	This antibody is specific for SYVN1.
经测试应用	适用于: WB, ELISA, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	A KLH conjugated synthetic peptide selected within aa 600-650 of human SYVN1.
阳性对照	Breast carcinoma tissue.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: PBS
纯度	Protein G purified
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab38456** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★ ★ ★ ★ ★	1/100 - 1/500. Predicted molecular weight: 68 kDa.
ELISA		1/1000.

应用	Ab评论	说明
IHC-P		1/50 - 1/100.
ICC/IF		Use a concentration of 5 µg/ml.

## 靶标

### 功能

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.

### 组织特异性

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).

### 通路

Protein modification; protein ubiquitination.

### 序列相似性

Belongs to the HRD1 family.  
Contains 1 RING-type zinc finger.

### 结构域

The RING-type zinc finger is required for E3 ligase activity.

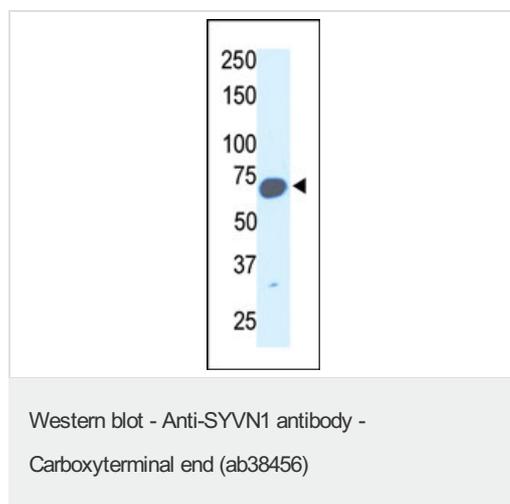
### 翻译后修饰

Not N-glycosylated.  
Auto-ubiquitinated.

### 细胞定位

Endoplasmic reticulum membrane.

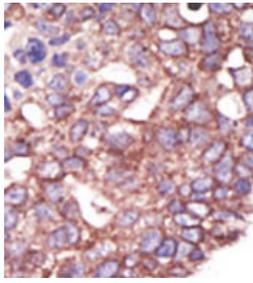
## 图片



Anti-SYVN1 antibody - Carboxyterminal end (ab38456) at 1/100 dilution + mouse kidney tissue lysate

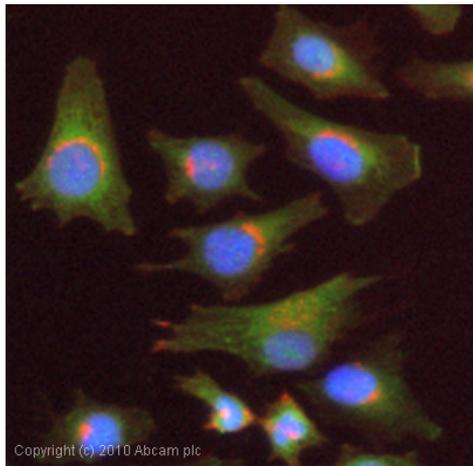
**Predicted band size:** 68 kDa

**Observed band size:** 68 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SYVN1 antibody - Carboxyterminal end (ab38456)

Formalin-fixed and paraffin-embedded human breast cancer tissue reacted with ab38456 at a 1/50 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-SYVN1 antibody - Carboxyterminal end (ab38456)

ICC/IF image of ab38456 stained HeLa cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab38456, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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