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SYVN1 (M) Antibody, Rabbit Polyclonal

Cat#: R1143-1

Quantity: 100 ul

Predicted | Observed MW: 68 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q86TM6

Background:

E3 ubiquitin-protein ligase synoviolin (SYVN1) is a multi-pass membrane protein that belongs to the HRD1 family. It 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. SYVN1 protects cells from ER stress-induced apoptosis and protects neurons from apoptosis induced by polyglutamine-expanded huntingtin (HTT) or unfolded GPR37 by promoting their degradation. It sequesters p53/TP53 in the cytoplasm and promotes its degradation, thereby negatively regulating its biological function in transcription, cell cycle regulation and apoptosis.

Other Names:

E3 ubiquitin-protein ligase synoviolin, Synovial apoptosis inhibitor 1, HRD1, KIAA1810

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of human SYVN1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

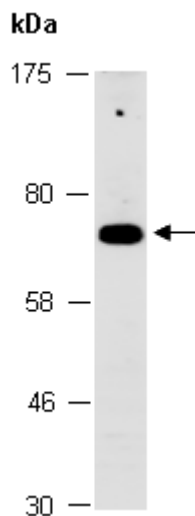


Fig 1. Western blot of total cell extracts from human HeLa, using Ab (R1143-1) at RT for 2 h.