

For Research Use Only

ERLIN1 Recombinant antibody, PBS Only

Catalog Number: 85377-1-PBS



Basic Information

Catalog Number:

85377-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11393

GenBank Accession Number:

BC031791

GeneID (NCBI):

10613

UNIPROT ID:

O75477

Full Name:

ER lipid raft associated 1

Calculated MW:

346 aa, 39 kDa

Observed MW:

39 kDa

Purification Method:

Protein A purification

CloneNo.:

242778B10

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

ERLIN1, also known as Erlin-1 or SPFH1, stands for "ER lipid raft-associated protein 1." It is a protein-coding gene that plays a significant role in cellular processes, particularly in the endoplasmic reticulum (ER). The ER is a crucial organelle involved in protein synthesis, lipid metabolism, and calcium homeostasis. ERLIN1 is part of the SPFH (stomatin, prohibitin, flotillin, and HflK/C) domain-containing family of proteins, which are often associated with lipid rafts-microdomains within cellular membranes that are enriched in cholesterol and sphingolipids. ERLIN1 is involved in the regulation of protein degradation, particularly through the ER-associated degradation (ERAD) pathway (PMID: 37683630).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

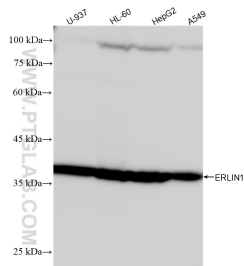
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85377-1-RR (ERLIN1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85377-1-PBS in a different storage buffer formulation.