

**Erlin-2 Antibody**  
**Rabbit mAb**  
**Catalog # AP92700**

## Specification

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### Erlin-2 Antibody - Product Information

Application	<b>WB, IHC, ICC</b>
Primary Accession	<a href="#">O94905</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
ERLIN2; NET32; SPFH2;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>37840 Da</b>

### Erlin-2 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human Erlin-2</b>
Description	<b>Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs). Also involved in ITPR1 degradation by the ERAD pathway.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### Erlin-2 Antibody - Protein Information

**Name** ERLIN2

**Synonyms** C8orf2, SPFH2

#### Function

Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5- trisphosphate receptors (IP3Rs) such as ITPR1 (PubMed:<a href="http://www.uniprot.org/citations/17502376" target="\_blank">17502376</a>, PubMed:<a href="http://www.uniprot.org/citations/19240031" target="\_blank">19240031</a>). Promotes sterol-accelerated ERAD of HMGCR probably implicating an AMFR/gp78-containing ubiquitin ligase complex (PubMed:<a href="http://www.uniprot.org/citations/21343306" target="\_blank">21343306</a>). Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway. May promote ER retention of the SCAP-SREBF complex (PubMed:<a href="http://www.uniprot.org/citations/24217618" target="\_blank">24217618</a>).

### Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Note=Associated with lipid raft-like domains of the endoplasmic reticulum membrane

### Tissue Location

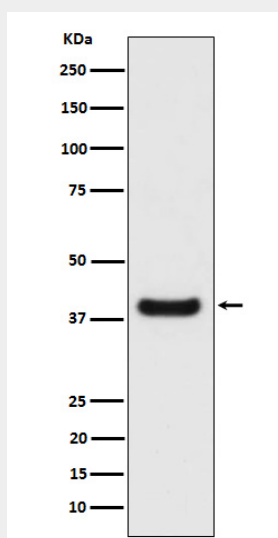
Ubiquitous..

### Erlin-2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Erlin-2 Antibody - Images



Western blot analysis of Erlin-2 expression in HeLa cell lysate.