

ERLIN2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18538b

Specification

ERLIN2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O94905
Other Accession	NP_001003790.1
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37840
Antigen Region	307-333

ERLIN2 Antibody (C-term) - Additional Information

Gene ID 11160

Other Names

Erlin-2, Endoplasmic reticulum lipid raft-associated protein 2, Stomatin-prohibitin-flotillin-HflC/K domain-containing protein 2, SPFH domain-containing protein 2, ERLIN2, C8orf2, SPFH2

Target/Specificity

This ERLIN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 307-333 amino acids from the C-terminal region of human ERLIN2.

Dilution

WB~~1:2000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ERLIN2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ERLIN2 Antibody (C-term) - 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:[17502376](#), PubMed:[19240031](#)). Promotes sterol-accelerated ERAD of HMGCR probably implicating an AMFR/gp78-containing ubiquitin ligase complex (PubMed:[21343306](#)). Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway. May promote ER retention of the SCAP-SREBF complex (PubMed:[24217618](#)).

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

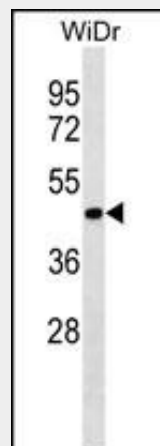
Ubiquitous..

ERLIN2 Antibody (C-term) - Protocols

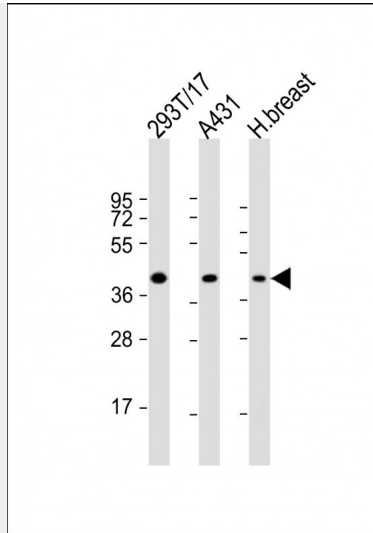
Provided below are standard protocols that you may find useful for product applications.

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

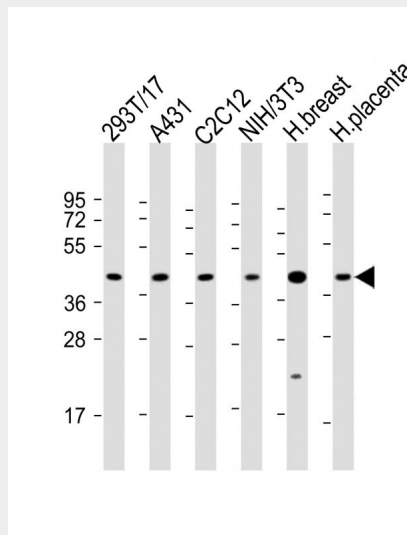
ERLIN2 Antibody (C-term) - Images



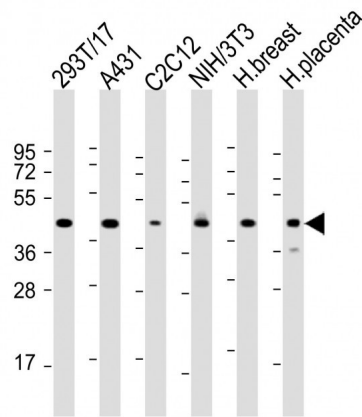
ERLIN2 Antibody (C-term) (Cat. #AP18538b) western blot analysis in WiDr cell line lysates (35ug/lane). This demonstrates the ERLIN2 antibody detected the ERLIN2 protein (arrow).



All lanes : Anti-ERLIN2 Antibody (C-term) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate
 Lane 2: A431 whole cell lysate Lane 3: human breast lysate Lysates/proteins at 20 µg per lane.
 Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa
 Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-ERLIN2 Antibody (C-term) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate
 Lane 2: A431 whole cell lysate Lane 3: C2C12 whole cell lysate Lane 4: NIH/3T3 whole cell lysate
 Lane 5: human breast lysate Lane 6: human placenta lysate Lysates/proteins at 20 µg per lane.
 Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa
 Blocking/Dilution buffer: 5% NFDM/TBST.



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ERLIN2 Antibody (C-term) - Background

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.

ERLIN2 Antibody (C-term) - References

- Wang, Y., et al. *Biochim. Biophys. Acta* 1793(11):1710-1718(2009)
- Pearce, M.M., et al. *J. Biol. Chem.* 284(16):10433-10445(2009)
- Pearce, M.M., et al. *J. Biol. Chem.* 282(28):20104-20115(2007)
- Browman, D.T., et al. *J. Cell. Sci.* 119 (PT 15), 3149-3160 (2006) :
- Garcia, M.J., et al. *Oncogene* 24(33):5235-5245(2005)