

ERLIN2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5675

Specification

ERLIN2 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O94905
Other Accession	Q5R7C5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	H=38;M=38;R=38 KDa
Isotype	Rabbit Ig
Antigen Source	HUMAN

ERLIN2 Antibody (C-term) - Additional Information

Gene ID 11160

Antigen Region
307-333

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

Dilution

WB~~1:1000

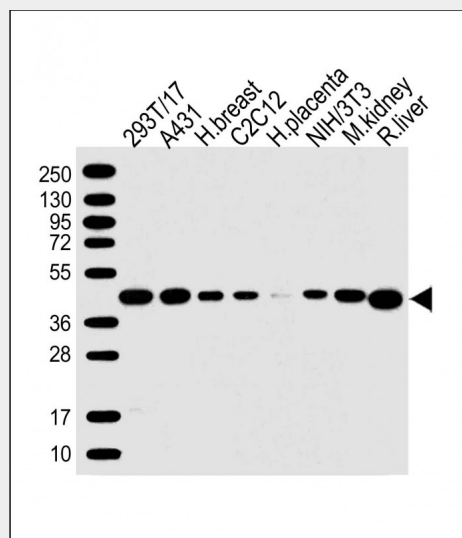
Target/Specificity

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.

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



All lanes : Anti-ERLIN2 Antibody (C-term) at 1:1000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: A431 whole cell lysate Lane 3: human breast lysate Lane 4: C2C12 whole cell lysate Lane 5: human placenta lysate Lane 6: NIH/3T3 whole cell lysate Lane 7: mouse kidney lysate Lane 8: rat liver 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.

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)

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

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)

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:19240031, PubMed:17502376). 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](#)