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ERLIN2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5675

Product Information

Application	WB
Primary Accession	O94905
Other Accession	Q5R7C5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37840
Isotype	Rabbit IgG
Antigen Source	HUMAN

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.
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.

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..

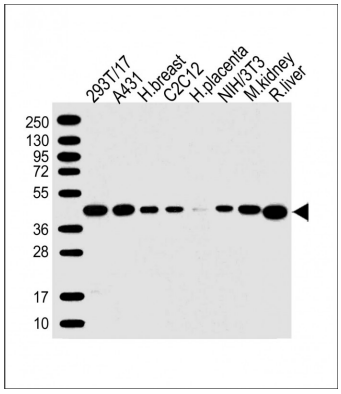
Background

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.

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)

Images



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.