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ERLIN1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13078c

Product Information

Application	WB, IHC-P, E
Primary Accession	O75477
Other Accession	Q91X78, NP_001094096.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33041
Calculated MW	39171
Antigen Region	244-273

Additional Information

Gene ID	10613
Other Names	Erlin-1, Endoplasmic reticulum lipid raft-associated protein 1, Protein KE04, Stomatin-prohibitin-flotillin-HflC/K domain-containing protein 1, SPFH domain-containing protein 1, ERLIN1, C10orf69, KE04, KEO4, SPFH1
Target/Specificity	This ERLIN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 244-273 amino acids from the Central region of human ERLIN1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
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	ERLIN1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ERLIN1 (HGNC:16947)
Function	Component of the ERLIN1/ERLIN2 complex which mediates the

	endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs). Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway (PubMed:37683630). Binds cholesterol and 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	Expressed in heart, placenta, liver, kidney, pancreas, prostate, testis, ovary and small intestine

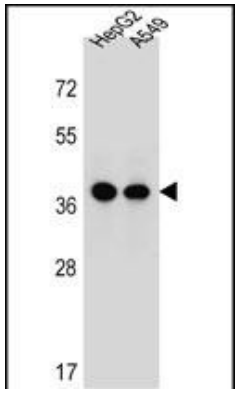
Background

Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum-associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs).

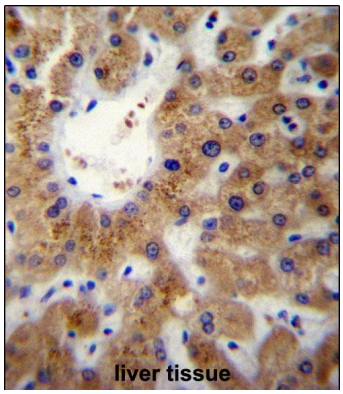
References

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Martins-de-Souza, D., et al. J Psychiatr Res (2010) In press :
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)
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Images



ERLIN1 Antibody (Center) (Cat. #AP13078c) western blot analysis in HepG2,A549 cell line lysates (35ug/lane).This demonstrates the ERLIN1 antibody detected the ERLIN1 protein (arrow).



ERLIN1 Antibody (Center) (Cat. #AP13078c)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ERLIN1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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