

For Research Use Only

ERLIN2 Polyclonal antibody

Catalog Number: 14781-1-AP **2 Publications**



Basic Information

Catalog Number: 14781-1-AP	GenBank Accession Number: BC067765	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11160	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: ER lipid raft associated 2	
Isotype: IgG	Calculated MW: 38 kDa	
Immunogen Catalog Number: AG6369	Observed MW: 38 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, IHC : human liver cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ERLIN2, also named as C8orf2 and SPFH2, is a 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). It promotes sterol-accelerated ERAD of HMGR probably implicating an AMFR/gp78-containing ubiquitin ligase complex (PubMed:21343306). ERLIN2 is involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway. The MW of ERLIN1/ERLIN2 complex is about 70 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Bo-Tao Li	32776921	PLoS Genet	WB
Hazel Stewart	37860693	iScience	WB

Storage

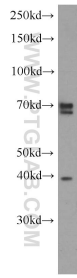
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

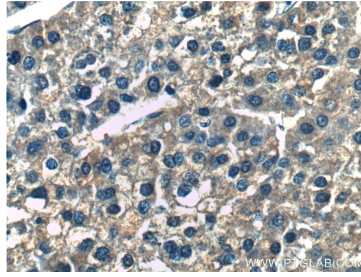
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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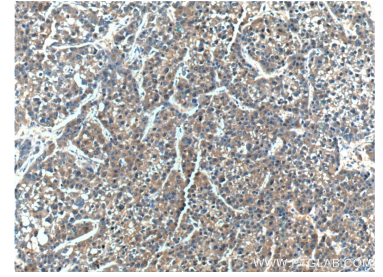
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 14781-1-AP (ERLIN2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14781-1-AP (ERLIN2 Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 14781-1-AP (ERLIN2 Antibody) at dilution of 1:200 (under 10x lens).