

For Research Use Only

ERGIC1 Polyclonal antibody

Catalog Number: 16108-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 16108-1-AP	GenBank Accession Number: BC012766	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57222	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1	IHC 1:50-1:500 IF 1:20-1:200
Isotype: IgG	Calculated MW: 290 aa, 33 kDa	
Immunogen Catalog Number: AG9025	Observed MW: 32 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, WB	WB : HepG2 cells, mouse liver tissue, L02 cells
Species Specificity: human, mouse, rat	IP : HepG2 cells,
Cited Species: human	IHC : human liver cancer tissue, IF : HepG2 cells,

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

The function of ERGIC1 remains largely unknown. ERGIC1 was highly expressed in most primary prostate tumors. It is an intriguing potential drug target especially for the ERG oncogene expressing tumors (PMID: 22761906). The MW of this protein is 32 kDa, and this antibody specially recognises the 32 kDa protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Shen Mynn Tan	25131211	Cell Rep	WB
Karsten Nalbach	36797266	Nat Commun	WB,IF
Frank Adolf	30605680	Cell Rep	WB

Storage

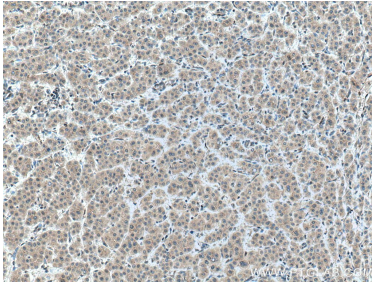
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

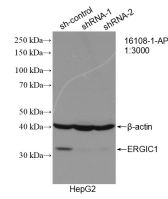
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

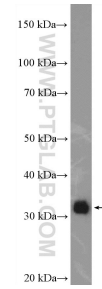
Selected Validation Data



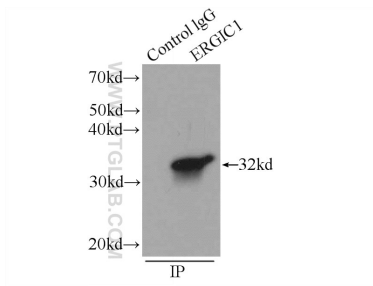
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 16108-1-AP (ERGIC1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



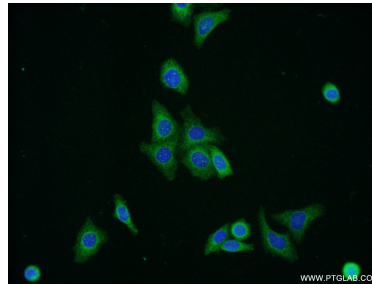
WB result of ERGIC1 antibody (16108-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ERGIC1 transfected HepG2 cells.



HepG2 cells were subjected to SDS PAGE followed by western blot with 16108-1-AP (ERGIC1 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



IP Result of anti-ERGIC1 (IP:16108-1-AP, 3ug; Detection:16108-1-AP 1:500) with HepG2 cells lysate 1720ug.



Immunofluorescent analysis of HepG2 cells using 16108-1-AP (ERGIC1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).