

For Research Use Only

ERGIC3 Polyclonal antibody

Catalog Number: 16029-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

16029-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8893

GenBank Accession Number:

BC009765

GeneID (NCBI):

51614

UNIPROT ID:

Q9Y282

Full Name:

ERGIC and golgi 3

Calculated MW:

383 aa, 43 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

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

Positive Controls:

WB : HepG2 cells, K-562 cells, MCF-7 cells

IHC : mouse brain tissue,

IF/ICC : HepG2 cells,

Background Information

ERGIC3 (Endoplasmic reticulum-Golgi intermediate compartment protein 3) is located in the cis face of the Golgi apparatus and vesicular tubular structures between the transitional endoplasmic reticulum (ER) and cis-Golgi. ERGIC3 significantly affects cell growth and causes ER stress-induced cell death, and is involved in the invasion and metastasis in hepatocellular carcinomas (HCC). (PMID: 26177443, PMID: 31142615)

Notable Publications

Author	Pubmed ID	Journal	Application
Yaqin Deng	34793833	J Biol Chem	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

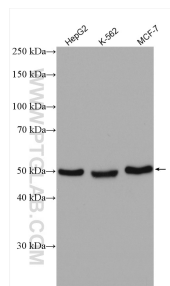
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

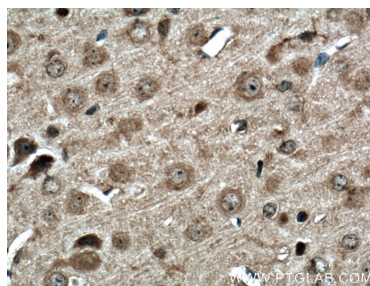
E: proteintech@ptglab.com
W: ptglab.com

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

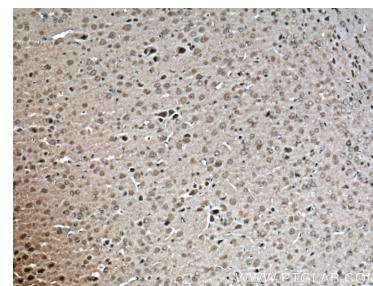
Selected Validation Data



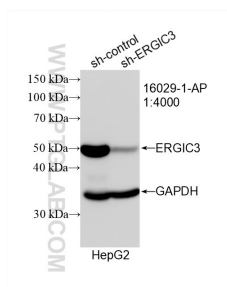
Various lysates were subjected to SDS PAGE followed by western blot with 16029-1-AP (ERGIC3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



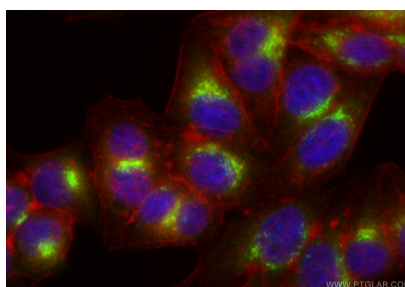
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16029-1-AP (ERGIC3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16029-1-AP (ERGIC3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of ERGIC3 antibody (16029-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ERGIC3 transfected HepG2 cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ERGIC3 antibody (16029-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).