

For Research Use Only

ERGIC3 Polyclonal antibody

Catalog Number: 16029-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

16029-1-AP

Size:

550 ug/ml

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

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

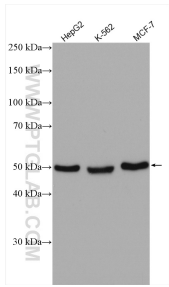
T: 4006900926

E: Proteintech-CN@ptglab.com

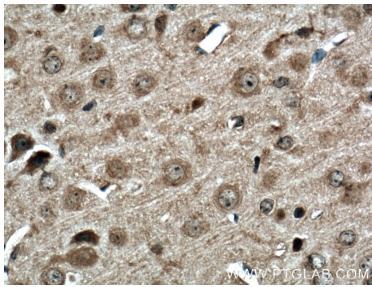
W: ptgcn.com

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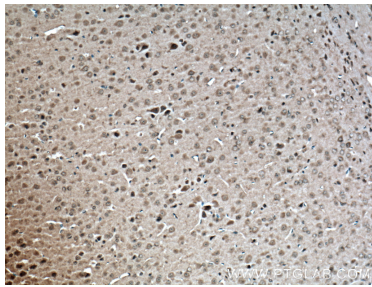
Selected Validation Data



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.



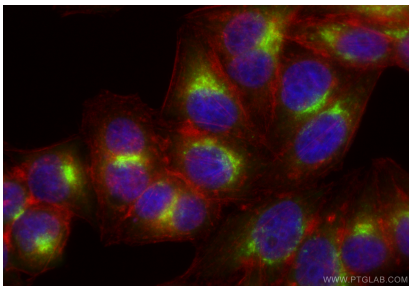
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16029-1-AP (ERGIC3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).