

For Research Use Only

ATG14/Barkor (N-terminal) Polyclonal ANTIBODY



Catalog Number: 19491-1-AP

Featured Product

13 Publications

Basic Information

Catalog Number:

19491-1-AP

Size:

150UL, Concentration: 347 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_014924

GeneID (NCBI):

22863

Full Name:

KIAA0831

Calculated MW:

55 kDa

Observed MW:

65-68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF 1:50-1:500

Applications

Tested Applications:

IF, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse

Cited Species:

bovine, dog, human, mouse, rat

Positive Controls:

WB: HEK-293 cells, A431 cells, mouse brain tissue, NIH/3T3 cells

IF: MCF-7 cells,

Background Information

Barkor, also named as KIAA0831, Atg14 and Atg14L, is required for both basal and inducible autophagy. It plays a role in autophagosome formation and MAP1LC3/LC3 conjugation to phosphatidylethanolamine. Barkor promotes BECN1 translocation from the trans-Golgi network to autophagosomes. This antibody is specific to KIAA0831(Barkor).

Notable Publications

Author	Pubmed ID	Journal	Application
Luis Muniz-Feliciano	28933590	Autophagy	WB
Qiang Fu	25234643	J Gen Virol	WB
Cefan Zhou	31696776	Autophagy	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

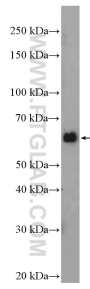
For technical support and original validation data for this product please contact:

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

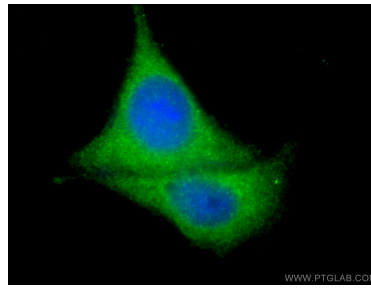
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 19491-1-AP (ATG14/Barkor (N-terminal) antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 19491-1-AP (ATG14/Barkor (N-terminal) antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).