

For Research Use Only

ATG14/Barkor (C-terminal) Polyclonal antibody

Catalog Number: 24412-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 24412-1-AP	GenBank Accession Number: BC109090	Purification Method: Antigen affinity purification
Size: 400 ug/ml	GeneID (NCBI): 22863	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q6ZNE5	
Isotype: IgG	Full Name: KIAA0831	
Immunogen Catalog Number: AG19707	Calculated MW: 492 aa, 55 kDa Observed MW: 65-68 kDa, 42 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : mouse brain tissue, HeLa cells IHC : human brain tissue, human liver tissue IF/ICC : HeLa cells,
Cited Applications: WB, IF	
Species Specificity: human, mouse	
Cited Species: human, mouse	
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

Barkor, also named as ATG14, Atg14L and KIAA0831, is named as Beclin 1-associated autophagy-related key regulator protein. The function of Barkor in autophagy has been manifested in several assays, including stress-induced LC3 lipidation, autophagosome formation, and Salmonella typhimurium amplification. A major band around 65-68 kDa and a light band around 42 kDa can be observed in western blot which may be caused by alternative splicing of ATG14. The specificity of ATG14 antibody has been tested by siRNA test.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiang Fu	25245007	Microb Pathog	WB
Shun Kato	34704591	J Cell Sci	IF
Jingqiong Lin	34411602	Exp Eye Res	WB,IF

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:

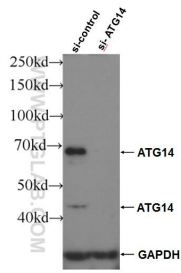
T: 4006900926

E: Proteintech-CN@ptglab.com

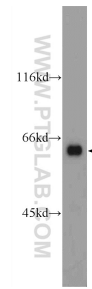
W: ptgcn.com

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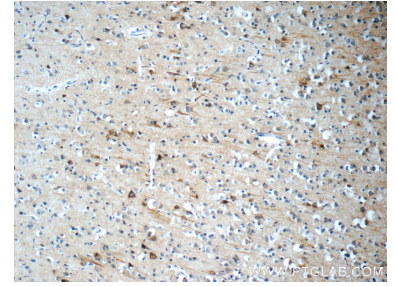
Selected Validation Data



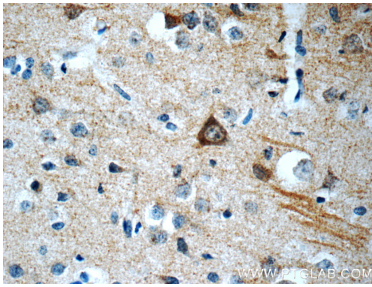
WB result of ATG14/Barkor (C-terminal) antibody (24412-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATG14/Barkor (C-terminal) transfected HeLa cells.



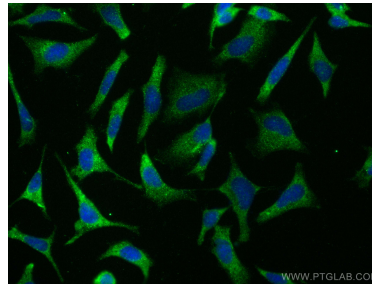
mouse brain tissue were subjected to SDS PAGE followed by western blot with 24412-1-AP (ATG14/Barkor (C-terminal) antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain slide using 24412-1-AP (ATG14/Barkor (C-terminal) antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain slide using 24412-1-AP (ATG14/Barkor (C-terminal) antibody at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using ATG14/Barkor (C-terminal) antibody (24412-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).