For Research Use Only

ATG13 Polyclonal antibody

Catalog Number: 18258-1-AP

Featured Product 19 Publications

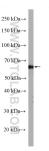


Basic Information	Catalog Number: 18258-1-AP	GenBank Accession I BC001331	Number:	Purification Method: Antigen affinity purification				
	Size:	GeneID (NCBI):		Recommended Dilutions:				
	150ul , Concentration: 350 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG13090			WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total				
		UNIPROT ID: 075143		protein lysate				
		Full Name:		IHC 1:50-1:500 IF/ICC 1:50-1:500				
		KIAA0652						
		Calculated MW: 57 kDa						
		Observed MW:						
		57-63 kDa						
Applications	Tested Applications:		Positive Con	Positive Controls:				
	WB, IHC, IF/ICC, IP, ELISA Cited Applications: WB, IF, CoIP Species Specificity:		WB: SH-SY5Y cells, BGC-823 cells, HeLa cells, huma brain tissue, mouse cerebellum tissue, mouse testis tissue, mouse thymus tissue, Jurkat cells, HEK-293 cells, MCF-7 cells					
					human, mouse, rat		IP : SH-SY5Y cells,	
					Cited Species: human, mouse, rat		IHC : mouse heart tissue, mouse brain tissue, human brain tissue	
	Note-IHC: suggested antigen (TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen	IF/ICC : SH-S	Y5Y cells,				
	Background Information	ATG13 is one component protein of t mitophagy. ATG13 has two nutrient r regulation of autophagy by modulat reported the nonautophagic function myocardial growth defects.(PMID:27)	egulatory phosphoryla ing enzyme activity ar of ATG13 on cardiac d	ation sites and t nd cellular local levelopment for	he phosphorylation status of ATG13 aff ization of ULK1. Besides, it has been			
	mitophagy. ATG13 has two nutrient r regulation of autophagy by modulati reported the nonautophagic function myocardial growth defects.(PMID:27)	egulatory phosphoryla ing enzyme activity ar of ATG13 on cardiac d	ation sites and t nd cellular local levelopment for 644405)	he phosphorylation status of ATG13 aff ization of ULK1. Besides, it has been				
Background Information Notable Publications	mitophagy. ATG13 has two nutrient r regulation of autophagy by modulat reported the nonautophagic function myocardial growth defects.(PMID:27) Author Pul	egulatory phosphoryla ing enzyme activity ar of ATG13 on cardiac d 387056, 26801615, 260 bmed ID Jour	ation sites and t nd cellular local levelopment for 644405)	he phosphorylation status of ATG13 aff ization of ULK1. Besides, it has been ATG13-deficient embryos show				
	mitophagy. ATG13 has two nutrient r regulation of autophagy by modulati reported the nonautophagic function myocardial growth defects.(PMID:27) Author Pul Zhenbing Lv 36	egulatory phosphoryla ing enzyme activity ar of ATG13 on cardiac d 387056, 26801615, 260 bmed ID Jour 295086 Life	ation sites and t nd cellular local levelopment for 644405) mal	he phosphorylation status of ATG13 aff ization of ULK1. Besides, it has been ATG13-deficient embryos show Application WB				
	mitophagy. ATG13 has two nutrient regulation of autophagy by modulati reported the nonautophagic function myocardial growth defects.(PMID:27) Author Pul Zhenbing Lv 36 Ruyuan Wei 350	egulatory phosphoryla ing enzyme activity ar of ATG13 on cardiac d 387056, 26801615, 268 bmed ID Jour 295086 Life 936222 Oxio	ation sites and t nd cellular local levelopment for 644405) mal (Basel)	he phosphorylation status of ATG13 aff ization of ULK1. Besides, it has been ATG13-deficient embryos show Application WB				
	mitophagy. ATG13 has two nutrient regulation of autophagy by modulati reported the nonautophagic function myocardial growth defects.(PMID:27) Author Pul Zhenbing Lv 36 Ruyuan Wei 35	egulatory phosphoryla ing enzyme activity ar of ATG13 on cardiac d 387056, 26801615, 260 bmed ID Jour 295086 Life 936222 Oxic 959437 Fron ter shipment.	ation sites and t nd cellular local levelopment for 644405) mal (Basel) d Med Cell Long	he phosphorylation status of ATG13 affization of ULK1. Besides, it has been ATG13-deficient embryos show Application WB ev WB				

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

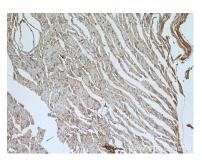
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

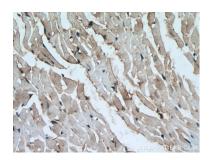


SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 18258-1-AP (ATG13 antibody) at dilution of 1:800 incubated at room

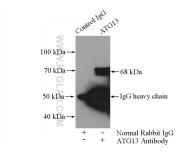
temperature for 1.5 hours.



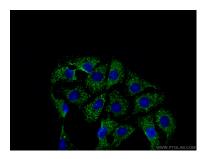
Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 18258-1-AP (ATG13 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



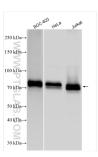
Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 18258-1-AP (ATG13 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



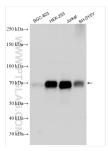
IP result of anti-ATG13 (IP:18258-1-AP, 4ug: Detection:18258-1-AP 1:300) with SH-SY5Y cells lysate 1600ug.



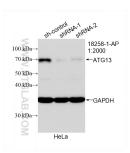
Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 18258-1-AP (ATG13 antibody) at dilution of 1:50 and CoraLite488-Conjugated Goat Anti-Rabbit IgG(H+L).



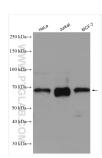
Various lysates were subjected to SDS PAGE followed by western blot with 18258-1-AP (ATG13 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 18258-1-AP (ATG13 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



WB result of ATG13 antibody (18258-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATG13 transfected HeLa cells.



Various lysates were subjected to SDS PAGE followed by western blot with 18258-1-AP (ATG13 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.