

For Research Use Only

ATG13 Recombinant antibody, PBS Only



Catalog Number: 82718-3-PBS

Basic Information

Catalog Number: 82718-3-PBS	GenBank Accession Number: BC001331	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 9776	CloneNo.: 3G14
Source: Rabbit	UNIPROT ID: O75143	
Isotype: IgG	Full Name: KIAA0652	
Immunogen Catalog Number: AG13090	Calculated MW: 57 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse, rat

Background Information

ATG13 is one component protein of the ULK1 complex which is required for autophagosome formation and mitophagy. ATG13 has two nutrient regulatory phosphorylation sites and the phosphorylation status of ATG13 affect regulation of autophagy by modulating enzyme activity and cellular localization of ULK1. Besides, it has been reported the nonautophagic function of ATG13 on cardiac development for ATG13-deficient embryos show myocardial growth defects. (PMID:27387056, 26801615, 26644405)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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

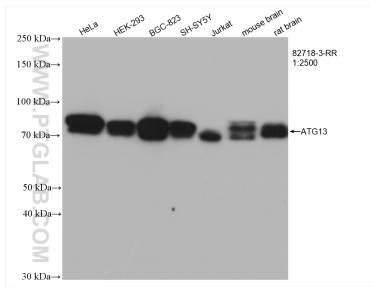
T: 4006900926

E: Proteintech-CN@ptglab.com

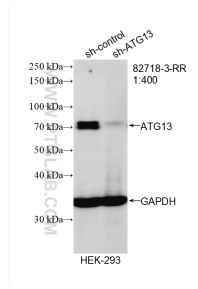
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82718-3-RR (KIAA0652 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82718-3-PBS in a different storage buffer formulation.



WB result of ATG13 antibody (82718-3-RR; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATG13 transfected HEK-293 cells. This data was developed using the same antibody clone with 82718-3-PBS in a different storage buffer formulation.