

For Research Use Only

ATG13 Recombinant antibody

Catalog Number: 82718-3-RR



Basic Information

Catalog Number: 82718-3-RR	GenBank Accession Number: BC001331	Purification Method: Protein A purification
Size: 100ul , Concentration: 250 µg/ml by Nanodrop;	GeneID (NCBI): 9776	CloneNo.: 3G14
Source: Rabbit	Full Name: KIAA0652	Recommended Dilutions: WB 1:1000-1:5000
Isotype: IgG	Calculated MW: 57 kDa	
Immunogen Catalog Number: AG13090	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat

Positive Controls:
WB : HeLa cells, HEK- 293 cells, BGC-823 cells, SH-SY5Y cells, Jurkat cells, mouse brain tissue, rat brain tissue

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 -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

*** 20ul sizes contain 0.1% BSA

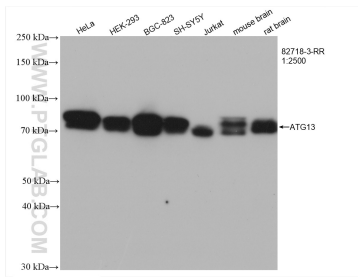
For technical support and original validation data for this product please contact:

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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.