

For Research Use Only

# ATG13 Recombinant antibody, PBS Only



Catalog Number: 82718-3-PBS

## Basic Information

<b>Catalog Number:</b> 82718-3-PBS	<b>GenBank Accession Number:</b> BC001331	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9776	<b>CloneNo.:</b> 3G14
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75143	
<b>Isotype:</b> IgG	<b>Full Name:</b> KIAA0652	
<b>Immunogen Catalog Number:</b> AG13090	<b>Calculated MW:</b> 57 kDa	
	<b>Observed MW:</b> 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

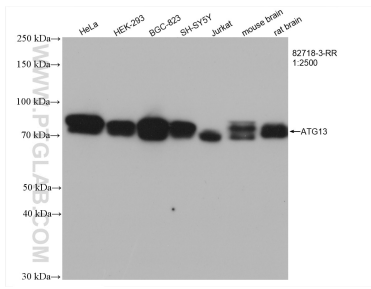
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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