

For Research Use Only

ATG13 Monoclonal antibody, PBS Only



Catalog Number: 66708-1-PBS

Basic Information

Catalog Number: 66708-1-PBS	GenBank Accession Number: BC001331	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 9776	CloneNo.: 1C3A7
Source: Mouse	UNIPROT ID: O75143	
Isotype: IgG1	Full Name: KIAA0652	
Immunogen Catalog Number: AG12968	Calculated MW: 57 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications:
WB, IF, IHC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat, Pig

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:

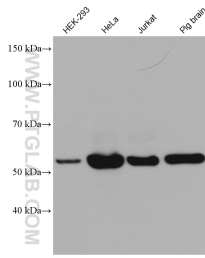
T: 4006900926

E: Proteintech-CN@ptglab.com

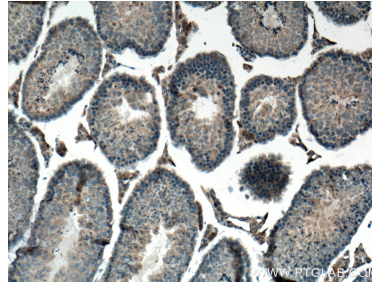
W: ptgcn.com

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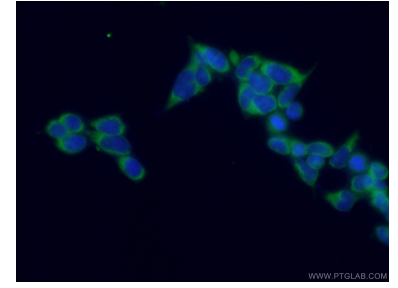
Selected Validation Data



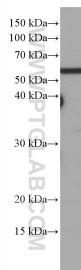
Various lysates were subjected to SDS PAGE followed by western blot with 66708-1-Ig (ATG13 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66708-1-PBS in a different storage buffer formulation.



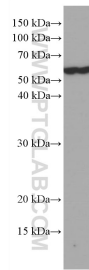
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66708-1-Ig (KIAA0652 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66708-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 66708-1-Ig (KIAA0652 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66708-1-PBS in a different storage buffer formulation.



BGC-823 cells were subjected to SDS PAGE followed by western blot with 66708-1-Ig (KIAA0652 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66708-1-PBS in a different storage buffer formulation.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 66708-1-Ig (KIAA0652 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66708-1-PBS in a different storage buffer formulation.