

For Research Use Only

ATG4B Monoclonal antibody, PBS Only



Catalog Number: 67727-1-PBS

Basic Information

Catalog Number: 67727-1-PBS	GenBank Accession Number: BC000719	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 23192	CloneNo.: 1G5A7
Source: Mouse	UNIPROT ID: Q9Y4P1	
Isotype: IgG2a	Full Name: ATG4 autophagy related 4 homolog B (S. cerevisiae)	
Immunogen Catalog Number: AG30510	Calculated MW: 44 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications:
WB, IF, IHC, ELISA

Species Specificity:
Human, mouse, rat

Background Information

ATG4B (autophagy 4) is also named as APG4B, AUTL1, KIAA0943 and belongs to the peptidase C54 family. It is a homolog of yeast Apg4, a cysteine protease involved in autophagy and is a cytoplasmic enzyme. This protein is highly expressed in skeletal muscle, with lower expression in heart, liver, and pancreas and no expression is detected in fetal tissues by the northern blot. ATG4B is widely expressed in tumor cell lines (PMID:12446702). It has some isoforms produced by alternative splicing with molecular mass of 31-52 kDa.

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

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

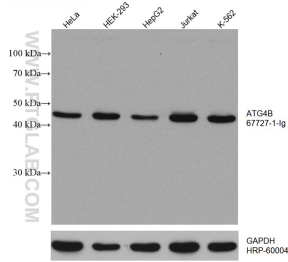
T: 4006900926

E: Proteintech-CN@ptglab.com

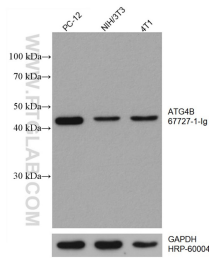
W: ptgcn.com

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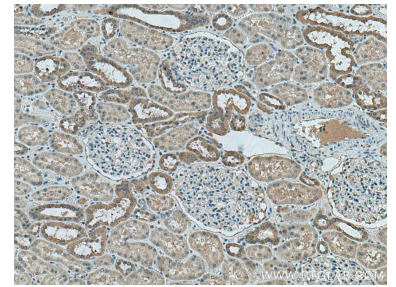
Selected Validation Data



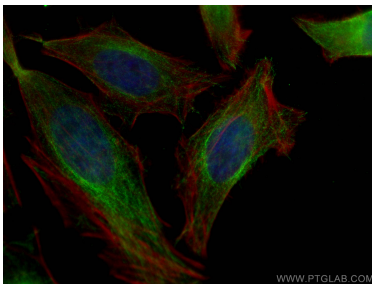
Various lysates were subjected to SDS PAGE followed by western blot with 67727-1-Ig (ATG4B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67727-1-PBS in a different storage buffer formulation.



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Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 67727-1-Ig (ATG4B antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67727-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ATG4B antibody (67727-1-Ig, Clone: 1G5A7) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 67727-1-PBS in a different storage buffer formulation.