

Product Datasheet

ATG5 Antibody (N-term) (orb1933445)

Catalog Number	orb1933445
Category	Antibodies
Description	Purified Rabbit Polyclonal Antibody (Pab)
Target	ATG5 (HGNC:589)
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	Rabbit IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Porcine, Rat
Form/Appearance	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Immunogen	This ATG5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human ATG5. Antigen Region: 1-30 aa.
UniProt ID	Q9H1Y0
MW	32447 Da
Tested applications	IF, IHC-P, WB
Dilution range	IF - 1:200, WB - 1:1000, IHC-P-Leica - 1:500

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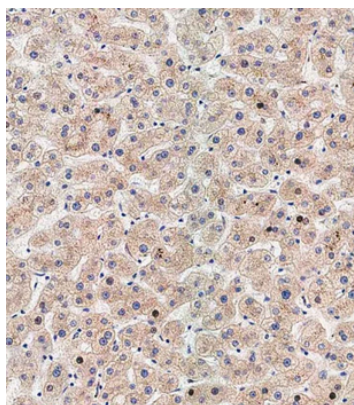
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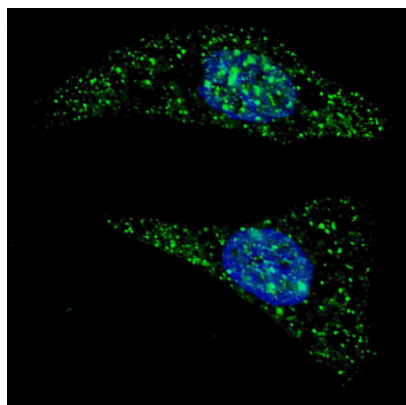
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Antibody Type	Primary Antibody
Clone Number	BTD9688
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
NCBI	NP_004840.1
Expiration Date	12 months from date of receipt.



Immunohistochemical analysis of paraffin-embedded human liver tissue was performed on the Leica BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Fluorescent image of U251 cells stained with ATG5 (N-term) antibody. U251 cells were treated with Chloroquine (50 μ M, 16 h), then fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with ATG5 (N-term) primary antibody (1:200, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1 h). Nuclei were counterstained with Hoechst 33342 (blue) (10 μ g/ml, 5 min). ATG5 immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.

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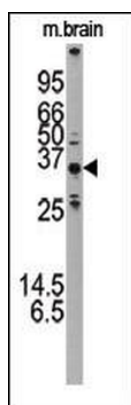
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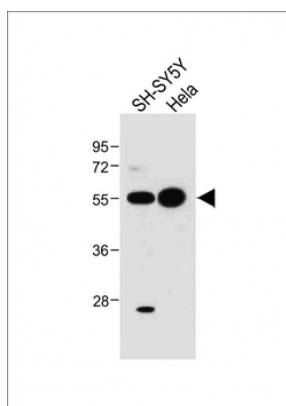
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The anti-APG5L Pab is used in Western blot to detect APG5L in mouse brain tissue lysate.



All lanes: Anti-hAPG5L-D3 at 1:1000 dilution. Lane 1: SH-SY5Y whole cell lysate. Lane 2: HeLa whole cell lysate. Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 32 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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