

## Product Datasheet

### APG5 Antibody (orb1933443)

<b>Catalog Number</b>	orb1933443
<b>Category</b>	Antibodies
<b>Description</b>	Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	ATG5 (HGNC:589)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by dialysis against PBS.
<b>Immunogen</b>	This ATG5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the full length of human ATG5.
<b>UniProt ID</b>	<b>Q9H1Y0</b>
<b>MW</b>	32447 Da
<b>Tested applications</b>	IF, IHC-P, WB
<b>Dilution range</b>	IF - 1:200, WB - 1:500, IHC-P - 1:10-50
<b>Storage</b>	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

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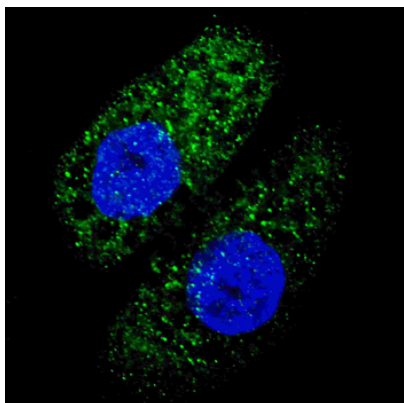
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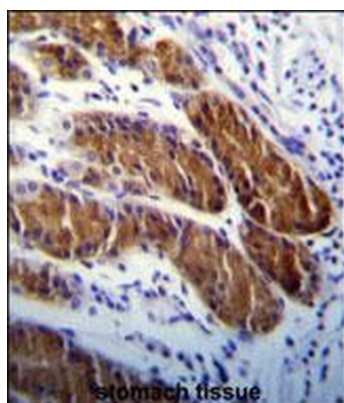
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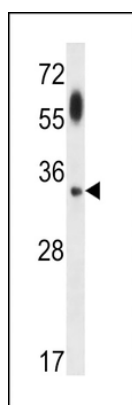
<b>Note</b>	For research use only
<b>NCBI</b>	<b>NP_004840.1</b>
<b>Expiration Date</b>	12 months from date of receipt.



Fluorescent image of U251 cells stained with ATG5 antibody. U251 cells were treated with Chloroquine (50  $\mu$ 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 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  $\mu$ g/ml, 5 min). ATG5 immunoreactivity is localized to autophagic vacuoles in the cytoplasm of U251 cells.



ATG5 Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ATG5 Antibody for immunohistochemistry. Clinical relevance has not been evaluated.



ATG5 Antibody western blot analysis in uterus tumor cell line lysates (35  $\mu$ g/lane). This demonstrates the ATG5 antibody detected the ATG5 protein (arrow).

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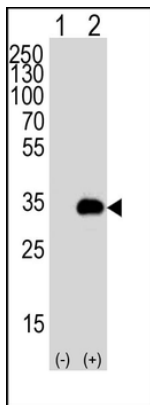
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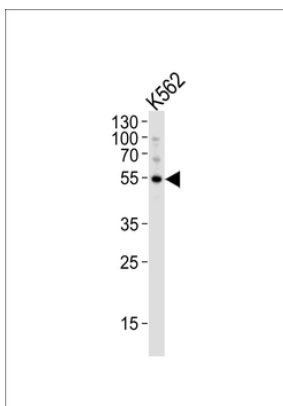
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Western blot analysis of APG5 (arrow) using rabbit polyclonal APG5 Antibody. 293T cell lysates either nontransfected (Lane 1) or transiently transfected (Lane 2) with the APG5 gene.



Western blot analysis of lysate from K562 cell line, using APG5 Antibody. Diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20 ug.

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