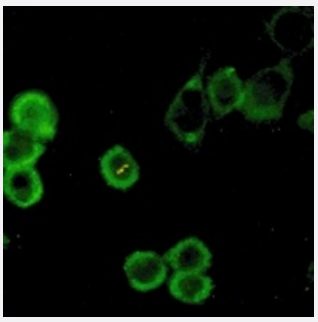
RecomAb™

ATG5 recombinant monoclonal antibody

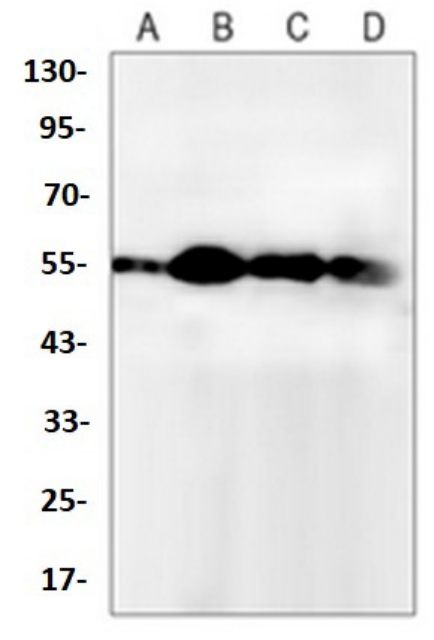
Catalog # RAB02469 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent analysis of MCF7 cells with ATG5 recombinant monoclonal antibody (Cat # RAB02469). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.



Western Blot (Cell lysate)

Western blot analysis of Raw264.7 (A), K562 (B), C6 (C), Hela (D) whole cell lysates with ATG5 recombinant monoclonal antibody (Cat # RAB02469).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ATG5.

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Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human APG5L/ATG5.
Theoretical MW (kDa)	55
Reactivity	Human, Mouse, Rat
Specificity	Recognizes endogenous levels of ATG5 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunoprecipitation(1:10-1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent analysis of MCF7 cells with ATG5 recombinant monoclonal antibody (Cat # RAB02469). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

- Immunocytochemistry

- Immunoprecipitation

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- Western Blot (Cell lysate)

  Western blot analysis of Raw264.7 (A), K562 (B), C6 (C), Hela (D) whole cell lysates with ATG5 recombinant monoclonal antibody (Cat # RAB02469).

Gene Info — ATG5

Entrez GeneID	9474
Protein Accession#	Q9H1Y0
Gene Name	ATG5
Gene Alias	APG5, APG5-LIKE, APG5L, ASP, hAPG5
Gene Description	ATG5 autophagy related 5 homolog (S. cerevisiae)
Omim ID	604261
Gene Ontology	Hyperlink
Gene Summary	S. cerevisiae)-like|APG5 autophagy 5-like|ATG5 autophagy related 5-like|OTTHUMP00000017823|OTTHUMP00000017824|OTTHUMP00000040507|apoptosis specific protein
Other Designations	APG5 (autophagy 5, S. cerevisiae)-like|APG5 autophagy 5-like|ATG5 autophagy related 5-like|OTTHUMP00000017823|OTTHUMP00000017824|OTTHUMP00000040507|apoptosis specific protein

Pathway

- Regulation of autophagy

Disease

- Adenocarcinoma
- Colorectal Neoplasms
- Huntington Disease
- Microsatellite Instability
- Stomach Neoplasms

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- Tobacco Use Disorder

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