Rabbit anti-Human ATG5 Monoclonal Antibody | anti-ATG5 antibody

[KO Validated] ATG5 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28525	**Rabbit**	**Human**	**Western Blot, Immunohistochemistry, Immunoprecipitation, ELISA**

PRODUCT SYNONYMS

ATG5; Monoclonal Antibody; [KO Validated] ATG5 Rabbit mAb; ASP; APG5; APG5L; hAPG5; SCAR25; APG5-LIKE; G5; anti-ATG5 antibody

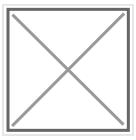
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MTDDKDVLRD VWFGRIPTCF TLYQDEITER EAEPYYLLLP RVSYLTLVTD KVKKHFQKVM RQEDISEIWF EYEGTPLKWH YPIGLLFDLL ASSSALPWNI
Applicable Applications for anti-ATG5 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA
Application Notes	WB: 1:1000-1:6000 IHC-P: 1:200-1:2000 IP: 0.5ug-4ug antibody for 200ug-400ug extracts of whole cells ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human ATG5 (Q9H1Y0).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

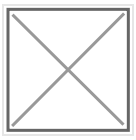
IMAGES

IP (Immunoprecipitation)
Immunoprecipitation analysis of 300 ug extracts from 293T cells using 3 ug [KO Validated] ATG5 Rabbit mAb (AAA28525). Western blot was performed from the immunoprecipitate using [KO Validated] ATG5 Rabbit mAb (AAA28525) at a dilution of 1:1000.

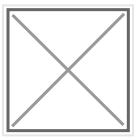
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded rat colon tissue using [KO Validated] ATG5 Rabbit mAb (AAA28525) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



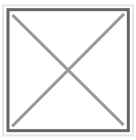
IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using [KO Validated] ATG5 Rabbit mAb (AAA28525) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistchemistry)
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using [KO Validated] ATG5 Rabbit mAb (AAA28525) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using [KO Validated] ATG5 Rabbit mAb (AAA28525) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using [KO Validated] ATG5 Rabbit mAb (AAA28525) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG5 antibody	The protein encoded by this gene, in combination with autophagy protein 12, functions as an E1-like activating enzyme in a ubiquitin-like conjugating system. The encoded protein is involved in several cellular processes, including autophagic vesicle formation, mitochondrial quality control after oxidative damage, negative regulation of the innate antiviral immune response, lymphocyte development and proliferation, MHC II antigen presentation, adipocyte differentiation, and apoptosis. Several transcript variants encoding different protein isoforms have been found for this gene.
Product Categories/Family for anti-ATG5 antibody	Cancer; Signal Transduction; Cell Biology Developmental Biology; Apoptosis; Autophagy; Ubiquitin; Endocrine Metabolism; Mitochondrial metabolism; Immunology Inflammation; Cardiovascular; Heart; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	17366828
NCBI GeneID	9474
UniProt Accession #	Q9H1Y0; O60875; Q5JVR2; Q68DI4; Q9H2B8; Q9HCZ7
Molecular Weight	Calculated MW: 32kDa Observed MW: 55kDa
UniProt Protein Name	Autophagy protein 5
UniProt Gene Name	**ATG5**
UniProt Synonym Gene Names	APG5L; ASP
UniProt Entry Name	ATG5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/atg5-antibody-western-blot-immunohistochemistry-immunoprecipitation-elisa/28525