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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54274_P050-HRP
Product Page	www.avivasysbio.com/atg10-antibody-c-terminal-region-hrp-arp54274-p050-hrp.html
Name	ATG10 Antibody - C-terminal region : HRP (ARP54274_P050-HRP)
Protein Size (# AA)	220 amino acids
Molecular Weight	25kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	83734
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	ATG10 autophagy related 10 homolog (S. cerevisiae)
Alias Symbols	APG10, APG10L, pp12616
Peptide Sequence	Synthetic peptide located within the following region: TPVLKNSQKINKNVNYITSWLSIVGPVVGLNLPLSYAKATSQDERNVP
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Reference	Criollo,A., (2007) Cell Death Differ. 14 (5), 1029-1039
Description of Target	Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12-ATG5 conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A), a homolog of yeast Apg8, to a membrane-bound form. Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]). [supplied by OMIM].
Protein Interactions	ATG3; ATG4B; ATG7; HAT1; USP11; USP7; RBBP7; MAP1B; KRT85; ADSS; ATG5; ATG12;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-ATG10 (ARP54274_P050-HRP) antibody
Blocking Peptide	For anti-ATG10 (ARP54274_P050-HRP) antibody is Catalog # AAP54274 (Previous Catalog # AAP31023)
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human ATG10
Uniprot ID	Q9H0Y0
Protein Name	Ubiquitin-like-conjugating enzyme ATG10
Protein Accession #	NP_113670
Purification	Affinity Purified
Nucleotide Accession #	NM_031482
Gene Symbol	ATG10
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 86%; Dog: 79%; Guinea Pig: 79%; Horse: 79%; Human: 100%; Mouse: 100%; Rabbit: 86%; Rat: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.