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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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| | |
|----------------------------|---|
| Product Number | ARP57862_P050-Biotin |
| Product Page | www.avivasysbio.com/atg4b-antibody-n-terminal-region-biotin-arp57862-p050-biotin.html |
| Name | ATG4B Antibody - N-terminal region : Biotin (ARP57862_P050-Biotin) |
| Protein Size (# AA) | 393 amino acids |
| Molecular Weight | 44kDa |
| Conjugation | Biotin |
| NCBI Gene Id | 23192 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Concentration | 0.5 mg/ml |
| Gene Full Name | ATG4 autophagy related 4 homolog B (S. cerevisiae) |
| Alias Symbols | APG4B, AUTL1 |
| Peptide Sequence | Synthetic peptide located within the following region: WGCMRLRCGQMIFAQALVCRHLGRDWRWTQRKRQPDSYFESVLNAFIDRKDS |
| Product Format | Liquid. Purified antibody supplied in 1x PBS buffer. |
| Reference | Olsen,J.V., (2006) Cell 127 (3), 635-648 |
| Description of Target | Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. ATG4B is a member of the autophagin protein family, it is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. |
| Protein Interactions | SUMO2; MAP1LC3B; MAP1LC3A; BAG3; ATG8; YWHAB; GABARAPL1; SQSTM1; UBC; GABARAPL2; ATG10; ATG3; AMBRA1; GABARAP; CAMKK2; ATG12; ULK1; STK3; KRT4; ANXA1; FBXW11; LINC00341; |
| 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-ATG4B (ARP57862_P050-Biotin) antibody |
| Blocking Peptide | For anti-ATG4B (ARP57862_P050-Biotin) antibody is Catalog # AAP57862 (Previous Catalog # AAPP32215) |
| Immunogen | The immunogen is a synthetic peptide directed towards the N terminal region of human ATG4B |
| Uniprot ID | Q9Y4P1 |
| Protein Name | Cysteine protease ATG4B |
| Protein Accession # | NP_037457 |
| Purification | Affinity Purified |
| Nucleotide Accession # | NM_013325 |
| Gene Symbol | ATG4B |

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| Predicted Species Reactivity | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit |
| Application | WB, IHC |
| Predicted Homology Based on Immunogen Sequence | Cow: 92%; Dog: 93%; Guinea Pig: 100%; Human: 100%; Mouse: 93%; Rabbit: 85%; Rat: 100% |
| Image 1 |  A schematic diagram of a Y-shaped antibody molecule, consisting of two heavy chains and two light chains, represented by thick black lines. |

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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.

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