



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP57862_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/atg4b-antibody-n-terminal-region-fitc-arp57862-p050-fitc.html">www.avivasysbio.com/atg4b-antibody-n-terminal-region-fitc-arp57862-p050-fitc.html</a>
Name	ATG4B Antibody - N-terminal region : FITC (ARP57862_P050-FITC)
Protein Size (# AA)	393 amino acids
Molecular Weight	44kDa
Conjugation	FITC: Fluorescein Isothiocyanate
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: <a href="#">WGCMRLRCQMIFAQALVCRHLGRDWRWTQRKRQPDSYFESVLNAFIDRKDS</a>
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 <a href="#">anti-ATG4B (ARP57862_P050-FITC) antibody</a>
Blocking Peptide	For anti-ATG4B (ARP57862_P050-FITC) antibody is <a href="#">Catalog # AAP57862</a> (Previous Catalog # AAPP32215)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ATG4B
Uniprot ID	<a href="#">Q9Y4P1</a>
Protein Name	Cysteine protease ATG4B
Protein Accession #	<a href="#">NP_037457</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_013325</a>

<b>Gene Symbol</b>	<a href="#">ATG4B</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit
<b>Application</b>	WB, IHC
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 92%; Dog: 93%; Guinea Pig: 100%; Human: 100%; Mouse: 93%; Rabbit: 85%; Rat: 100%
<b>Image 1</b>	 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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Optimal conditions of its use should be determined by end users.

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