



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

<b>Product Number</b>	ARP58929_P050-HRP
<b>Product Page</b>	<a href="http://www.avivasysbio.com/atg4b-antibody-n-terminal-region-hrp-arp58929-p050-hrp.html">www.avivasysbio.com/atg4b-antibody-n-terminal-region-hrp-arp58929-p050-hrp.html</a>
<b>Name</b>	ATG4B Antibody - N-terminal region : HRP (ARP58929_P050-HRP)
<b>Protein Size (# AA)</b>	393 amino acids
<b>Molecular Weight</b>	44kDa
<b>Conjugation</b>	HRP: Horseradish Peroxidase
<b>NCBI Gene Id</b>	23192
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	0.5 mg/ml
<b>Gene Full Name</b>	ATG4 autophagy related 4 homolog B (S. cerevisiae)
<b>Alias Symbols</b>	APG4B, AUTL1
<b>Peptide Sequence</b>	Synthetic peptide located within the following region: <a href="#">SVLNAFIDRKDSYYSIHQIAQMGVGGEGK SIGQWYGPNTVAQVLKKLAVFD</a>
<b>Product Format</b>	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
<b>Description of Target</b>	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. APG4B encodes a member of the autophagin protein family and is also designated as a member of the C-54 family of cysteine proteases. 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.
<b>Protein Interactions</b>	SUMO2; MAP1LC3B; MAP1LC3A; BAG3; ATG8; YWHAB; GABARAPL1; SQSTM1; UBC; GABARAPL2; ATG10; ATG3; AMBRA1; GABARAP; CAMKK2; ATG12; ULK1; STK3; KRT4; ANXA1; FBXW11; LINC00341;
<b>Reconstitution and Storage</b>	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.
<b>Datasheets/Manuals</b>	Printable datasheet for <a href="#">anti-ATG4B (ARP58929_P050-HRP) antibody</a>
<b>Blocking Peptide</b>	For anti-ATG4B (ARP58929_P050-HRP) antibody is <a href="#">Catalog# AAP58929</a> (Previous Catalog# AAPP44876)
<b>Immunogen</b>	The immunogen is a synthetic peptide directed towards the N terminal region of human ATG4B
<b>Uniprot ID</b>	<a href="#">Q9Y4P1</a>
<b>Protein Name</b>	Cysteine protease ATG4B
<b>Protein Accession #</b>	<a href="#">NP_037457</a>
<b>Purification</b>	Affinity Purified
<b>Nucleotide Accession #</b>	<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, Horse, Rabbit, Zebrafish

<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 86%; Dog: 100%; Guinea Pig: 93%; Horse: 77%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93%; Zebrafish: 93%
<b>Image 1</b>	

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.

---

AVIVA SYSTEMS BIOLOGY  
6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | [info@avivasysbio.com](mailto:info@avivasysbio.com)