



# 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) 

Product Number	ARP55487_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/atp6v0d2-antibody-middle-region-fitc-arp55487-p050-fitc.html">www.avivasysbio.com/atp6v0d2-antibody-middle-region-fitc-arp55487-p050-fitc.html</a>
Name	ATP6V0D2 Antibody - middle region : FITC (ARP55487_P050-FITC)
Protein Size (# AA)	350 amino acids
Molecular Weight	40kDa
Subunit	d 2
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	245972
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	ATPase, H <sup>+</sup> transporting, lysosomal 38kDa, V0 subunit d2
Alias Symbols	VMA6, ATP6D2
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">GLRLLAQAEDFDQMKNVADHYGVYKPLFEAVGGSGGKTLQDVFYEREVQM</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Fridy,P.C., (2003) Biol. Cell 95 (7), 453-457
Description of Target	ATP6V0D2 is the subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. ATP6V0D2 may play a role in coupling of proton transport and ATP hydrolysis.
Protein Interactions	AGO3; RBM15B; RPS3; NDUFB8; ADRM1;
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-ATP6V0D2 (ARP55487_P050-FITC) antibody</a>
Blocking Peptide	For anti-ATP6V0D2 (ARP55487_P050-FITC) antibody is <a href="#">Catalog # AAP55487</a> (Previous Catalog # AAPP33379)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ATP6V0D2
Uniprot ID	<a href="#">Q8N8Y2</a>
Protein Name	V-type proton ATPase subunit d 2
Publications	Okayasu, M. et al. Low-density lipoprotein receptor deficiency causes impaired osteoclastogenesis and increased bone mass in mice because of defect in osteoclastic cell-cell fusion. J. Biol. Chem. 287, 19229-41 (2012). <b>WB, ICC/IF, Dog, Pig, Rabbit, Bovine, Rat, Mouse, Human, Horse, Guinea pig</b> <a href="#">22500026</a>  Hamamura, K. et al. Predicting and validating the pathway of Wnt3a-driven suppression of osteoclastogenesis. Cell. Signal. 26, 2358-69 (2014). <b>WB, Dog, Pig, Rabbit, Bovine, Rat, Mouse, Human, Horse, Guinea pig</b> <a href="#">25038457</a>
Protein Accession #	<a href="#">NP_689778</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_152565</a>

<b>Gene Symbol</b>	<a href="#">ATP6V0D2</a>
<b>Predicted Species Reactivity</b>	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit
<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 86%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; 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.

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)