



# 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

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Product Number	ARP57723_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/atp6v1g2-antibody-middle-region-hrp-arp57723-p050-hrp.html">www.avivasysbio.com/atp6v1g2-antibody-middle-region-hrp-arp57723-p050-hrp.html</a>
Name	ATP6V1G2 Antibody - middle region : HRP (ARP57723_P050-HRP)
Protein Size (# AA)	118 amino acids
Molecular Weight	13kDa
Subunit	G 2
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	534
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	ATPase, H <sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G2
Alias Symbols	NG38, ATP6G, VMA10, ATP6G2
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">NLSAEVEQATRRQVQGMQSSQQRNRERVL AQLLGMVCDVRPQVHPNYRIS</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of three V1 domain G subunit proteins. This gene had previous gene symbols of ATP6G and ATP6G2. Alternatively spliced transcript variants encoding different isoforms have been described.
Protein Interactions	UBC; IQCB1; ATP6V1E1;
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-ATP6V1G2 (ARP57723_P050-HRP) antibody</a>
Blocking Peptide	For anti-ATP6V1G2 (ARP57723_P050-HRP) antibody is <a href="#">Catalog # AAP57723</a> (Previous Catalog # AAPP44075)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ATP6V1G2
Uniprot ID	<a href="#">O95670</a>
Protein Name	V-type proton ATPase subunit G 2
Protein Accession #	<a href="#">NP_569730</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_130463</a>
Gene Symbol	<a href="#">ATP6V1G2</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Sheep

<b>Application</b>	WB
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 93%; Dog: 100%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 93%; Pig: 93%; Rabbit: 93%; Rat: 100%; Sheep: 93%
<b>Image 1</b>	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base. The two upper arms of the Y represent the antigen-binding sites.

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.

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