



# 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

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Product Number	ARP54772_P050-Biotin
Product Page	<a href="http://www.avivasysbio.com/inpp5b-antibody-middle-region-biotin-arp54772-p050-biotin.html">www.avivasysbio.com/inpp5b-antibody-middle-region-biotin-arp54772-p050-biotin.html</a>
Name	INPP5B Antibody - middle region : Biotin (ARP54772_P050-Biotin)
Protein Size (# AA)	913 amino acids
Molecular Weight	77kDa
Conjugation	Biotin
NCBI Gene Id	3633
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Inositol polyphosphate-5-phosphatase, 75kDa
Alias Symbols	5PTase
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">IHNGQVPCHEFEFINKPDEESYCKQWLNANPSRGFLLPDSDEVIDLELFVN</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Williams,C., J. Cell. Sci. 120 (PT 22), 3941-3951 (2007)
Description of Target	Cellular calcium signaling is controlled by the production of inositol phosphates (IPs) by phospholipase C in response to extracellular signals. The IP signaling molecules are inactivated by a family of inositol polyphosphate-5-phosphatases (5-phosphatases). INPP5B is the type II 5-phosphatase. The protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Cellular calcium signaling is controlled by the production of inositol phosphates (IPs) by phospholipase C in response to extracellular signals. The IP signaling molecules are inactivated by a family of inositol polyphosphate-5-phosphatases (5-phosphatases). This gene encodes the type II 5-phosphatase. The protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.
Protein Interactions	UBC; APP; SMURF1;
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-INPP5B (ARP54772_P050-Biotin) antibody</a>
Blocking Peptide	For anti-INPP5B (ARP54772_P050-Biotin) antibody is <a href="#">Catalog# AAP54772</a> (Previous Catalog# AAPP31567)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human INPP5B
Uniprot ID	<a href="#">P32019</a>
Protein Name	Type II inositol 1,4,5-trisphosphate 5-phosphatase
Protein Accession #	<a href="#">NP_005531</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_005540</a>
Gene Symbol	<a href="#">INPP5B</a>
Predicted Species Reactivity	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit
Application	WB

<b>Predicted Homology Based on Immunogen Sequence</b>	Dog: 85%; Guinea Pig: 92%; Horse: 92%; Human: 100%; Mouse: 92%; Rabbit: 77%; Rat: 92%
<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.

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