



# 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	ARP56102_P050-FITC
Product Page	<a href="http://www.avivasysbio.com/pex5-antibody-middle-region-fitc-arp56102-p050-fitc.html">www.avivasysbio.com/pex5-antibody-middle-region-fitc-arp56102-p050-fitc.html</a>
Name	PEX5 Antibody - middle region : FITC (ARP56102_P050-FITC)
Protein Size (# AA)	631 amino acids
Molecular Weight	70kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	5830
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Peroxisomal biogenesis factor 5
Alias Symbols	PXR1, PBD2A, PBD2B, PTS1R, RCDP5, PTS1-BP
Peptide Sequence	Synthetic peptide located within the following region: <a href="#">LNMQRKSRGPRGEGGAMSENIWSTLRLALSMLGQSDAYGAADARDLSTLL</a>
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Maynard,E.L. (2007) J. Mol. Biol. 368 (5), 1259-1266
Description of Target	PEX5 binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. Peroxisins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of neonatal adrenoleukodystrophy (NALD), a cause of Zellweger syndrome (ZWS) as well as may be a cause of infantile Refsum disease (IRD).
Protein Interactions	CAPRIN2; CCDC14; TOMM7; PRR13; GPD5; ZNF772; EP400NL; TM6SF1; ACOT8; RPL14; MKRN3; S100A6; LDHB; RANBP6; GSTK1; ZADH2; TYSND1; HSDL2; ACAD11; LONP2; PEGR; HSD17B4; HOXA7; EHHADH; ECH1; CRAT; CAT; BRCA1; ACOX1; DECR2; HACL1; DHRS4; ECI2; AGPS; GNPAT; UBC;
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-PEX5 (ARP56102_P050-FITC) antibody</a>
Blocking Peptide	For anti-PEX5 (ARP56102_P050-FITC) antibody is <a href="#">Catalog # AAP56102</a> (Previous Catalog # AAPP38007)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PEX5
Uniprot ID	<a href="#">P50542-3</a>
Protein Name	Peroxisomal targeting signal 1 receptor
Protein Accession #	<a href="#">NP_000310</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_000319</a>
Gene Symbol	<a href="#">PEX5</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit

<b>Application</b>	WB, IHC
<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
<b>Image 1</b>	 A schematic diagram of a Y-shaped antibody molecule. It consists of two heavy chains (inner lines) and two light chains (outer lines) joined at their C-termini. The two N-termini of the light chains extend outwards, forming the two antigen-binding arms of the antibody.

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)