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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP56102_P050-Biotin
Product Page	www.avivasysbio.com/pex5-antibody-middle-region-biotin-arp56102-p050-biotin.html
Name	PEX5 Antibody - middle region : Biotin (ARP56102_P050-Biotin)
Protein Size (# AA)	631 amino acids
Molecular Weight	70kDa
Conjugation	Biotin
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: LNMQRKSRGPRGEGGAMSENIWSTLRLALSMLGQSDAYGAADARDLSTLL
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 anti-PEX5 (ARP56102_P050-Biotin) antibody
Blocking Peptide	For anti-PEX5 (ARP56102_P050-Biotin) antibody is Catalog # AAP56102 (Previous Catalog # AAPP38007)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PEX5
Uniprot ID	P50542-3
Protein Name	Peroxisomal targeting signal 1 receptor
Protein Accession #	NP_000310
Purification	Affinity Purified
Nucleotide Accession #	NM_000319
Gene Symbol	PEX5
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit

Application	WB, IHC
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%
Image 1	 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 heavy chains are connected to each other and to the two light chains, forming a Y-shape with two antigen-binding sites at the tips of the arms.

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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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