

**Goat anti-ABCD3, Biotinylated Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF4426a****Specification**

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**Goat anti-ABCD3, Biotinylated Antibody - Product Information**

Application	WB, IHC, Pep-ELISA
Primary Accession	<a href="#">P28288</a>
Other Accession	<a href="#">NP_002849.1</a>
Reactivity	Human, Mouse, Rat
Host	Goat
Clonality	Polyclonal
Calculated MW	75476

**Goat anti-ABCD3, Biotinylated Antibody - Additional Information****Gene ID** 5825**Other Names**

ABCD3; ATP binding cassette subfamily D member 3; ABC43; CBAS5; PMP70; PXMP1; ZWS2; 70 kDa peroxisomal membrane protein; ATP-binding cassette, sub-family D (ALD), member 3; Peroxisomal membrane protein-1 (70kD); dj824O18.1 (ATP-binding cassette, sub-famil

**Dilution**

WB~~1:1000  
IHC~~1:100~500  
Pep-ELISA~~N/A

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

This antibody is expected to recognize one isoform (NP\_002849.1) only.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-ABCD3, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-ABCD3, Biotinylated Antibody - Protein Information****Name** ABCD3 ([HGNC:67](#))

**Function**

Broad substrate specificity ATP-dependent transporter of the ATP-binding cassette (ABC) family that catalyzes the transport of long- chain fatty acids (LCFA)-CoA, dicarboxylic acids-CoA, long-branched- chain fatty acids-CoA and bile acids from the cytosol to the peroxisome lumen for beta-oxydation (PubMed:<a href="http://www.uniprot.org/citations/11248239" target="\_blank">11248239</a>, PubMed:<a href="http://www.uniprot.org/citations/24333844" target="\_blank">24333844</a>, PubMed:<a href="http://www.uniprot.org/citations/25168382" target="\_blank">25168382</a>, PubMed:<a href="http://www.uniprot.org/citations/29397936" target="\_blank">29397936</a>). Has fatty acyl-CoA thioesterase and ATPase activities (PubMed:<a href="http://www.uniprot.org/citations/29397936" target="\_blank">29397936</a>). Probably hydrolyzes fatty acyl- CoAs into free fatty acids prior to their ATP-dependent transport into peroxisomes (By similarity). Thus, play a role in regulation of LCFAs and energy metabolism namely, in the degradation and biosynthesis of fatty acids by beta-oxidation (PubMed:<a href="http://www.uniprot.org/citations/24333844" target="\_blank">24333844</a>, PubMed:<a href="http://www.uniprot.org/citations/25944712" target="\_blank">25944712</a>).

**Cellular Location**

Peroxisome membrane; Multi-pass membrane protein

**Goat anti-ABCD3, Biotinylated Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-ABCD3, Biotinylated Antibody - Images**