

Goat anti-ABCD3, Biotinylated Antibody

Peptide-affinity purified goat antibody

Catalog # AF4426a

Product Information

Application	WB, IHC, Pep-ELISA
Primary Accession	P28288
Other Accession	NP_002849.1
Reactivity	Human, Mouse, Rat
Host	Goat
Clonality	Polyclonal
Clone Names	ABCD3
Calculated MW	75476

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.

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: 11248239 , PubMed: 24333844 , PubMed: 25168382 ,

PubMed:[29397936](#)). Has fatty acyl-CoA thioesterase and ATPase activities (PubMed:[29397936](#)). 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:[24333844](#), PubMed:[25944712](#)).

Cellular Location

Peroxisome membrane; Multi-pass membrane protein

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.