



ABCD2 Monoclonal Antibody

Catalog No	YP-mAb-05352
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ABCD2 ALD1 ALDL1 ALDR ALDRP
Immunogen	Synthesized peptide derived from human protein . at AA range: 310-390
Specificity	ABCD2 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ABCD 2;Adrenoleukodystrophy-like 1;Adrenoleukodystrophy-related protein; ALDRP;ATP-binding cassette sub-family D member 2;ABCD2;ABCD2 ALD1 ALDL1 ALDR ALDRP;ATP-binding cassette sub-family D member 2 (Adrenoleukodystrophy-like 1) (Adrenoleukodystrophy-related protein) (hALDR)
Observed Band	70-75 kDa
Calculated Molecular Weight	740 aa, 83 kDa
Cell Pathway	Peroxisome membrane ; Multi-pass membrane protein .
Tissue Specificity	Predominantly expressed in brain and heart.
Function	function:Probable transporter.,similarity:Belongs to the ABC transporter family. ALD subfamily.,similarity:Contains 1 ABC transmembrane type-1 domain., similarity:Contains 1 ABC transporter domain.,subunit:Can form heterodimers with ABCD1/ALD and ABCD3/PMP70. Dimerization is necessary to form an active transporter. Interacts with PEX19.,tissue specificity:Predominantly expressed in brain and heart.,
Background	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven



distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. The function of this peroxisomal membrane protein is unknown; however this protein is speculated to function as a dimerization partner of ABCD1 and/or other peroxisomal ABC transporters. Mutations in this gene have been observed in patients with adrenoleukodystrophy, a severe

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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