



# ABCD2 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05352
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ABCD2 ALD1 ALDL1 ALDR ALDRP
<b>Protein Name</b>	ATP-binding cassette sub-family D member 2 (Adrenoleukodystrophy-like 1) (Adrenoleukodystrophy-related protein) (hALDR)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 310-390
<b>Specificity</b>	ABCD2 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	81kD
<b>Cell Pathway</b>	Peroxisome membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Predominantly expressed in brain and heart.
<b>Function</b>	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.,
<b>Background</b>	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.

## Products Images