Anti-Human ABCD1 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA02935

3th Edition

Description: 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. This peroxisomal membrane protein is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system.ABCD1 (ATP Binding Cassette Subfamily D Member 1) is a Protein Coding gene. Diseases associated with ABCD1 include Adrenoleukodystrophy and Addison's Disease. Among its related pathways are Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds and Peroxisome. GO annotations related to this gene include protein homodimerization activity and enzyme binding. An important paralog of this gene is ABCD2.

Antigen: Synthesized peptide derived from the Internal region of human ABCD1

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: