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Datasheet for ABIN7265738 anti-ABCD4 antibody (AA 100-280)

Image



Overview

| Quantity: | 100 μL |
|----------------------|--------------------------------------|
| Target: | ABCD4 |
| Binding Specificity: | AA 100-280 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ABCD4 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

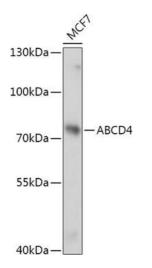
| Purpose: | ABCD4 Rabbit pAb |
|-------------------|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 100-280 of human ABCD4 (NP_005041.1). |
| Sequence: | DQFTCNLLYV SWRKDLTEHL HRLYFRGRAY YTLNVLRDDI DNPDQRISQD VERFCRQLSS MASKLIISPF TLVYYTYQCF QSTGWLGPVS IFGYFILGTV VNKTLMGPIV MKLVHQEKLE GDFRFKHMQI RVNAEPAAFY RAGHVEHMRT DRRLQRLLQT QRELMSKELW LYIGINTFDY L |
| lsotype: | lgG |
| Cross-Reactivity: | Human |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

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| Target Details | |
|---------------------|--|
| Target: | ABCD4 |
| Alternative Name: | ABCD4 (ABCD4 Products) |
| 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, it is speculated that it may function as a |
| | heterodimer for another peroxisomal ABC transporter and, therefore, may modify the |
| | adrenoleukodystrophy phenotype. It may also play a role in the process of peroxisome |
| | biogenesis. Alternative splicing results in at least two different transcript variants, one which is |
| | protein-coding and one which is probably not protein-coding. [provided by RefSeq, Jul |
| | 2008],ABC41,EST352188,MAHCJ,P70R,P79R,PMP69,PXMP1L,ABCD4,ABCD4 |
| Gene ID: | 5826 |
| UniProt: | 014678 |
| Application Details | |
| Application Notes: | WB,1:500 - 1:2000 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| | |

| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
|--------------------|--|
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

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Western Blotting

Image 1. Western blot analysis of extracts of MCF7 cells, using antibody (ABIN7265738) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

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