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

## Overview

| Quantity: | $100 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | ABCD4 |
| Binding Specificity: | AA 100-280 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | This ABCD4 antibody is un-conjugated |
| Conjugate: | Western Blotting (WB) |

Product Details
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\begin{array}{ll}\hline \text { Purpose: } & \text { ABCD4 Rabbit pAb } \\
\hline \text { Immunogen: } & \begin{array}{l}\text { Recombinant fusion protein containing a sequence corresponding to amino acids 100-280 of } \\
\text { human ABCD4 (NP_005041.1). }\end{array} \\
\hline \text { Sequence: } & \begin{array}{l}\text { DQFTCNLLYV SWRKDLTEHL HRLYFRGRAY YTLNVLRDDI DNPDQRISQD VERFCRQLSS } \\
\text { MASKLIISPF TLVYYTYQCF QSTGWLGPVS IFGYFILGTV VNKTLMGPIV MKLVHQEKLE }\end{array}
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GDFRFKHMQI RVNAEPAAFY RAGHVEHMRT DRRLQRLLQT QRELMSKELW LYIGINTFDY L\end{array}\right]\)| Isotype: | IgG |
| :--- | :--- |
| Cross-Reactivity: | Polyclonal Antibodies |
| Characteristics: | Affinity purification |


| 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 $A B C$ 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: | $-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. |



## 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 ABIN 3020597 ) at 1:10000 dilution.Lysates/proteins: 25 $\mu \mathrm{g}$ per lane.Blocking buffer: $3 \%$ nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 60s.

